

LAND RECLAMATION COMMISSION

STATE OF MISSOURI
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO CONTINENTAL CEMENT COMPANY, L.L.C.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of
limestone & clay in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 10 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Amendment

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Ralls	14	56N	04W	0	10	222	Site #1	0376

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo, 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 7th day of April 2004



DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0321 A-1
Effective Date 04/07/2004
Expiration Date 01/31/2005

RECEIVED



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

JAN 8 2004

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND RECLAMATION COMMISSION

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Continental Cement Company, LLC		DATE December 16, 2003	
ADDRESS 10107 Hwy. 79	CITY Hannibal	STATE MO	ZIP CODE 63401
CONTACT PERSON Alan Ruble		TELEPHONE NUMBER 573-221-1740	

CHECK ANY THAT APPLY:

☐ New Permit ☒ Permit Amendment ☐ Permit Revision ☐ Permit Expansion

SITE NAME OR NUMBER	ACREAGE	LOCATION:
		COUNTY, SECTION, TOWNSHIP, RANGE (EAST OR WEST)
1. Site # 1	10 AC	Ralls, #1, T56N, R4W
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		

ATTACH ADDITIONAL SHEETS IF NECESSARY

SIGNATURE OF APPLICANT <i>[Signature]</i>	TITLE Mgr. Engineering & Mining	DATE December 16, 2003
--	---	----------------------------------

Appeared before me this 16th day of December, 20 03, Alan Ruble

to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSER	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Marion
	SUBSCRIBED AND SWORN BEFORE ME, THIS 16th DAY OF December YEAR 2003	
	NOTARY PUBLIC SIGNATURE <i>[Signature]</i>	MY COMMISSION EXPIRES 5-23-06
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Beverly A. Bland	

USE RUBBER STAMP IN CLEAR AREA BELOW

FOR DEPARTMENT USE ONLY: APPROVED BY <i>[Signature]</i>	DATE APPROVED 3-26-04	PERMIT NUMBER 321	EXPIRATION DATE 1-31-05
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

FEES AND BONDING WORKSHEET

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JAN 8 2004

**MISSOURI LAND
RECLAMATION COMMISSION**

P.O. BOX 176

JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Continental Cement	DATE December 16, 2003
---	---------------------------

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. FEES: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the columns and lines below:

SITE NAME OR NUMBER (Add a separate sheet for additional sites.)	Mark each month that the site will be operated during the Permit Year	For sites operated less than six months per permit year pay \$150
		For sites operated six months or more per permit year pay \$300
Site #1	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	TOTAL SITE FEE ►	\$

2. Acreage fee \$5 X ¹⁰ Number of acres bonded \$ 50.00

3. Annual permit fee..... ~~\$ 500~~

4. Total Fee (Add Totals from 1, 2 and 3)..... \$ 50.00

NOTE: If Total Fee exceeds \$2,500.00 then pay only **\$ 2,500**

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual permit fee.....	\$ 300
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III. BONDING - for all except in-stream mine sites:

A. For sand and gravel operators mining less than 5,000 tons/year:

Number of new acres _____ X \$500 per acre \$ 2 A

B. For **ALL** other open pit operations:

Minimum per permit **\$ 8,000**

Acreage over eight acres	222	X \$500 per acre	\$ 111,000
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TOTAL BONDING REQUIRED	\$ 119,000
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☒ Check here if adequate bonding is already posted.

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit to Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

CONTINENTAL CEMENT COMPANY, L.L.C.

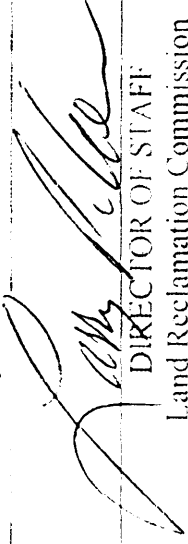
Pursuant to "The Land Reclamation Act," RSMo. 2001, and on conformity with the statements in the application, a permit is hereby granted to engage in surface mining of limestone & clay in the state of Missouri. The extent of the proposed mining operation(s) will be on 248 acres, more or less. The locations of the operation(s) under this permit is/are as follows: Renewal

See Attached List

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this

1st day of March 2004


DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0321

Effective Date 03/01/2004

Expiration Date 01/31/2005

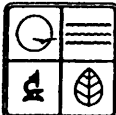
MFO 780-1122 (6-95)

Expiration Date – 01/31/2005

[illegible]

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DEC 24 2003

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Continental Cement Company, L.L.C.		MISSOURI LAND RECLAMATION COMMISSION	
ADDRESS 10107 Highway 79	CITY Hannibal	STATE MO	ZIP CODE 63401
CONTACT PERSON Alan Ruble		TELEPHONE NUMBER 573/221-1740	

FEES: COMPLETE SECTION I OR SECTION II**SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:**

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. Site #1, Hannibal Quarry	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
2. Site #2, Biermann #7, Clay Op.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
3. Site #3, Crews #1, Clay Op.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
4. Site #4, Graves #2, Clay Op.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
5. Site #5, Graves #3, Clay Op.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
6. Site #6, Reed Clay Op.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
7. Site #7, Scego #5, Clay Op.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
8. Site #8, Skouby #1, Clay Op.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
9. Site #9, Tappmeyer #2, Clay Op.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
10. Site #10, Lacy #2, Clay Op.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 150
Site #11, Jarvis Clay Op.		\$ 3150
TOTAL SITE FEE		\$ 3150

2. Acreage Fee \$5 X 248 number of acres bonded \$ 1240

3. Annual Permit Fee \$ 500

4. Total Fee (Add totals from 1, 2 and 3) \$ 4890

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee \$ 300

SIGNATURE OF APPLICANT 	DATE 12/15/03	TYPE Mgr - Mining
Appeared before me this <u>15th</u> day of <u>DECEMBER</u> , 20 <u>03</u> . <u>JAMES A. RUBLE</u> to me personally known, who executed the above as their free acts and deeds.		
NOTARY PUBLIC EMBOSSEER SEAL	STATE OF <u>Missouri</u>	COUNTY (OR CITY OF ST. LOUIS) <u>RALLS</u>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <u>15th</u> DAY OF <u>DECEMBER</u> , 2003	
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES <u>5-23-06</u>
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <u>BEVERLY A. BLAND</u>	
FOR DEPARTMENT USE ONLY: APPROVED BY 	DATE APPROVED <u>2-9-04</u>	PERMIT NUMBER <u>321</u>
		EXPIRATION DATE <u>1-31-05</u>



MAR 21 2003

MISSOURI LAND
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE)		
Continental Cement Company, L.L.C.		
ADDRESS		
10107 Highway 79		
CITY	STATE	ZIP CODE
Hannibal	MO	63401
SOURCE OF RIGHT TO MINE (CHECK ONE):		DATE OF AGREEMENT
<input type="checkbox"/> MINERAL DEED <input type="checkbox"/> LEASE		
<input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> VERBAL AGREEMENT		
<input type="checkbox"/> OTHER (DESCRIBE): _____		
NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.		



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

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MAR 21 2003

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

MISSOURI LAND

RECLAMATION COMMISSION

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

COMPANY NAME _____

☒ LONG TERM, FOR PERIOD THROUGH DATE: _____

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Rolling hills and valleys. Soil consists of cherty limestone residuum and a thin veneer of glacial till. Vegetation is dominated by woodlands and native grasses.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

10-12 INCHES

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

The soil will be removed with scrapers assisted by bulldozers.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil will be graded to 3:1 slopes and seeded to prevent erosion. Some topsoil will be used for current land reclamation.

MAR 21 2003

B. SPOIL**DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL**MISSOURI LAND
RECLAMATION COMMISSION

Spoil will be used as fill material in other permitted locations or will be piled in adjacent areas and eventually covered with topsoil and seeded to prevent erosion.

C. ACID MATERIALS**DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)**

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS**

See Maps

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right-of-way, and in no case may the excavation be closer to the right-of-way than fifty feet or twenty-five feet plus one and one-half (1 ½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "YES", a safety barrier may be needed.)

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MAR 21 2003

A. RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.MISSOURI LAND
RECLAMATION COMMISSION**REVEGETATION (Attach additional sheets, if needed)**

REVEGETATION MIX #1	PURPOSE OR LAND USE	SEEDING OR PLANTING TIME
Mix #1	Wildlife Cover	Fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Broadcast Method

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE
Kentucky 31 tall fescue	15		
Perennial Rye	3.75		
Annual Rye	3.75		
Timothy	2.5		
Ladino Red Clover	5.0		

REVEGETATION MIX #2	PURPOSE OR LAND USE	SEEDING OR PLANTING TIME
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DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

MAR 21 2003

B. GRADINGMISSOURI LAND
RECLAMATION COMMISSION**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Areas are returned to rolling hill topography as much as possible holding to near a 3:1 slope.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading will be done in mined out areas following sufficient face advancement.

REPLACEMENT OF TOPSOIL

Topsoil will be placed during stripping processes.

REVEGETATION

Topsoil is seeded immediately after placement and grading.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)**D. USE OF LAND WHEN RECLAIMED****ESTIMATED ACRES:**

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with livestock excluded)

691

Agriculture (pasture, cropland, and horticultural)

Development (residential, industrial and recreational)

Water impoundments (for wildlife, agriculture, or development)

RECEIVED

MAR 21 2003

MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT



TITLE

Mgr-Engineering & Mining

DATE

2/18/03

NOTARY PUBLIC EMBOSSEER SEAL

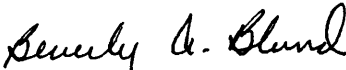
STATE
MissouriCOUNTY (OR CITY OF ST. LOUIS)
Ralls

SUBSCRIBED AND SWORN BEFORE ME, THIS

19th DAY OF February 2003

USE RUBBER STAMP IN CLEAR AREA BELOW

NOTARY PUBLIC SIGNATURE

MY COMMISSION
EXPIRES

5/23/06

NOTARY PUBLIC NAME (TYPED OR PRINTED)

BEVERLY A. BLAND

BEVERLY ANN BLAND
 Notary Public - Notary Seal
 State of Missouri
 Marion County
 My Commission Expires May 23, 2006

FOR DEPARTMENT

USE ONLY APPROVED BY

DATE APPROVED

PERMIT NUMBER



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

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JUL 02 1998
MISSOURI LAND
RECLAMATION COMMISSION

SITE NAME OR NUMBER <i>Biermann</i>		PERMIT NUMBER <i>032-1</i>
COMPANY NAME <i>Continental Cement</i>		
COUNTY <i>Gasconade</i>	1/4 SECTION <i>SW</i>	SECTION <i>17</i>
TOWNSHIP <i>42N</i>	RANGE <i>4W</i>	ACRES <i>2.00 State</i>
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)		
MINERAL COMMODITY <i>Fire Clay</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>Louis Rogues</i>		
ADDRESS <i>Rt 1 - Box 153</i>		
CITY <i>Rosebud</i>	STATE <i>mo</i>	ZIP CODE <i>63091</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <i>9-25-45</i>
		<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>Continental Cement</i>		
ADDRESS <i>PO Box 577</i>		
CITY <i>Owensville</i>	STATE <i>mo</i>	ZIP CODE <i>65066</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input checked="" type="checkbox"/> OTHER (DESCRIBE): <i>Quit claim</i>		DATE OF AGREEMENT <i>6-25-90</i>
		<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

RECEIVED
JUL 02 1998

P.O. BOX 176
JEFFERSON CITY, MO 65102

MISSOURI LAND
RECLAMATION COMMISSION

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE: 5/24/2001

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY

*pit lies on a gentle slope, heavily wooded
with little top soil $\leq 4"$*

pit stripped prior to CCC ownership.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

3 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

*stripped prior to CCC ownership.
apparently a dozer was used to pile
the ts.*

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

*apparently the ts was covered under
the overburden. That's where I
found it.*

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Complete + reclaimed
spoil was piled next to pit and used
to construct dam.

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MISSOURI LAND
RECLAMATION COMMISSION

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

none

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

see map

YES	NO
-----	----

- | | | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.) |

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

Wild life

B. SEEDING OR PLANTING TIME

Fall 97 Spring 98

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

1. Dozer to grade
2. Disc to prepare seed bed
3. no-till seeder
4. straw mulch

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JUL 02 1998

MISSOURI LAND
RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard	10		
Ludino	2		
red clover	2		
Stroem Losp	10		
Fescue	30		

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

Spring 98

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Minimal tools to prevent disruption of 1st seedling success. ie tiller, disc, rake, Hand seeder

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Stroem or clover			

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

The depleted pit lies on a very gentle slope. Good vegetation cover has already taken hold in the area around the pit and dam. Solid stone walls will descend to water level.

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JUL 02 1998

MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Complete

REPLACEMENT OF TOPSOIL

complete

REVEGETATION

- 1st + 1st follow up complete
- as required the area will be reseeded to establish vegetation.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

1-

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

4

Agricultural (pasture, cropland, and horticultural)

0

Development (residential, industrial, and recreational)

0

Water impoundments (for wildlife, agricultural, or development)

1

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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MISSOURI LAND
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT <i>R. Powell for CCC</i>		TITLE <i>Quarry Foreman</i>	DATE <i>7/2/98</i>
NOTARY PUBLIC EMBOSSEER SEAL JOANN C BARCH Notary Public - Notary Seal STATE OF MISSOURI GASCONADE COUNTY MY COMMISSION EXP. SEPT 15, 2001	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Gasconade</i>	
SUBSCRIBED AND SWORN BEFORE ME, THIS <i>1</i> DAY OF <i>July</i> 19 <i>98</i>		USE RUBBER STAMP IN CLEAR AREA BELOW	
NOTARY PUBLIC SIGNATURE <i>Joann C. Barch</i>		MY COMMISSION EXPIRES <i>9-15-2001</i>	JOANN C BARCH Notary Public - Notary Seal STATE OF MISSOURI GASCONADE COUNTY MY COMMISSION EXP. SEPT 15, 2001
NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>JoAnn C. Barch</i>			
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>[Signature]</i>		DATE APPROVED <i>7-22-98</i>	PERMIT NUMBER <i>0321</i>



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.			RECEIVED FEB - 9 1998 MISSOURI LAND RECLAMATION COMMISSION
SITE NAME OR NUMBER <i>CREWS Pit No. 1</i>		PERMIT NUMBER <i>0321</i>	
COMPANY NAME <i>Continental Cement Company</i>			
COUNTY <i>Franklin</i>	1/4 SECTION <i>NW</i>	SECTION <i>24</i>	
TOWNSHIP <i>42 N</i>	RANGE <i>4W</i>	ACRES <i>Expansion 2+1.</i>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <i>N/A</i>			
MINERAL COMMODITY <i>Fire Clay</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <i>N/A</i>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>Pit No. 1 - Gary Sicker,</i>		
ADDRESS <i>607 S Pine P.O. Box 184</i>		
CITY <i>Gerald</i>	STATE <i>MO</i>	ZIP CODE <i>63037</i>
SOURCE OF RIGHT TO MINE (CHECK ONE) <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE) _____		DATE OF AGREEMENT <i>4/9/58</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>Continental Cement Company</i>		
ADDRESS <i>P.O. Box 517</i>		
CITY <i>Owensville</i>	STATE <i>MO</i>	ZIP CODE <i>65066</i>
SOURCE OF RIGHT TO MINE (CHECK ONE) <input checked="" type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input checked="" type="checkbox"/> OTHER (DESCRIBE) <i>Quit Claim - most recently</i>		DATE OF AGREEMENT <i>6/96</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 178
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE)

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE 6/17/02

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY

The site is situated on a gentle slope ranging from 2° to 4°. Fescue was the prominent vegetation observed. Topsoil ranges from 0" to 8" in depth. Overlain by the topsoil is an unconsolidated alluvium composed of gravel and red, sandy clay. This alluvial layer averages 8' in depth, directly below which lies the fire clay deposit.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

0-8

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFF SITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Scrapers and dozers will remove and stockpile the topsoil

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MISSOURI LAND
RECLAMATION COMMISSION

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil pile will be seeded by a no-till Brillion seeder or equivalent. The seed mix will consist of wheat and fescue. Fertilizer will be applied if necessary. In addition, straw will be blown on to control erosion until vegetation has been established.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

All spoil will be used to construct a dam. The stripping project will place the spoil in its final resting place. Once in place, topsoil will be spread over the spoil and seeded

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See Maps

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FEB - 9 1998

MISSOURI LAND
RECLAMATION COMMISSION

YES	NO	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

Pasture & Water impoundment

B. SEEDING OR PLANTING TIME

early spring or fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Once grading is completed with dozers, the area will be disced and narrowed with agricultural equipment. The area will then be seeded with a no-till seeder and straw will be blown on for erosion control.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue K-31	40	None	None
Ladino clover	2		
Korean Lesp.	10		
Rye Grass	20		

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

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MISSOURI LAND
RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

The result of reclamation should yield about a 1 acre lake.
The dam and all slopes to the water will not exceed 3:1.

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MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading will be complete within twelve months after expiration of permit or initial permit renewal.

REPLACEMENT OF TOPSOIL

Topsoil will be replaced on the graded areas within the aforementioned time period.

REVEGETATION

All areas where topsoil is replaced will be seeded in spring or fall.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

1-2" plus subsoil for a total of 12"

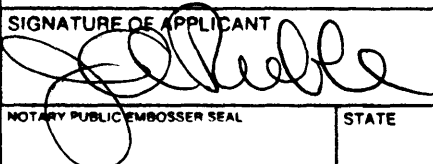
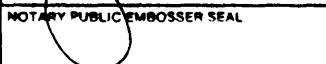

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	1
Agricultural (pasture, cropland, and horticultural)	0
Development (residential, industrial, and recreational)	0
Water impoundments (for wildlife, agricultural, or development)	1

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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MISSOURI LAND
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT 		TITLE Mgr - Eng + Mining	DATE 12/15/97
NOTARY PUBLIC EMBOSSEER SEAL 	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Ralls
	SUBSCRIBED AND SWORN BEFORE ME, THIS 15th DAY OF December 19 97		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 5-20-98	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Beverly A. Bland		
APPROVED BY (DIRECTOR'S REPRESENTATIVE)		DATE APPROVED	PERMIT NUMBER

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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FEB - 9 1998

To be completed for each separate area of disturbance associated with mining operations.		
SITE NAME OR NUMBER CREWS Pit No. 2		PERMIT NUMBER 0321
COMPANY NAME Continental Cement Company		
COUNTY Franklin	1/4 SECTION NW	SECTION 24
TOWNSHIP 42 N	RANGE 4W	ACRES 4 expansion Stat.
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A		
MINERAL COMMODITY Fire Clay		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Pit No. - Gary Sicker, (Pit No. 2 - see attached list)		
ADDRESS 607 S Pine P.O. Box 184		
CITY Gerald	STATE MO	ZIP CODE 63037
SOURCE OF RIGHT TO MINE (CHECK ONE) <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE) _____		DATE OF AGREEMENT 4/9/58

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Continental Cement Company		
ADDRESS P.O. Box 517		
CITY Owensville	STATE MO	ZIP CODE 65066
SOURCE OF RIGHT TO MINE (CHECK ONE) <input checked="" type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input checked="" type="checkbox"/> OTHER (DESCRIBE) Quit Claim - most recently		DATE OF AGREEMENT 6/96

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

Land Owners List

Crews Pit No. 2 (Same Site Information as Crews Pit No. 1)

Name of Landowner: James Froelker

Address: R.F.D. #2

City: Gerald

State: MO

Zip: 63037

Date of Agreement: 4/9/58

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MISSOURI LAND
RECLAMATION COMMISSION

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS





MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P O BOX 178
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE).

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE

6/17/02

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY

The site is situated on a gentle slope ranging from 2° to 4°. Fescue was the prominent vegetation observed. Topsoil ranges from 0" to 8" in depth. Overlain by the topsoil is an unconsolidated alluvium composed of gravel and red, sandy clay. This alluvial layer averages 8' in depth, directly below which lies the fire clay deposit.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

0-8

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Scrapers and dozers will remove and stockpile the topsoil

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RECLAMATION COMMISSION

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil pile will be seeded by a no-till Brillion seeder or equivalent. The seed mix will consist of wheat and fescue. Fertilizer will be applied if necessary. In addition, straw will be blown on to control erosion until vegetation has been established.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

All spoil will be used to construct a dam. The stripping project will place the spoil in its final resting place. Once in place, topsoil will be spread over the spoil and seeded

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See Maps

RECEIVED
FEB - 9 1998

MISSOURI LAND
RECLAMATION COMMISSION

YES NO

- | | | |
|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.) |

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

Pasture & Water impoundment

B. SEEDING OR PLANTING TIME

early spring or fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Once grading is completed with dozers, the area will be disced and narrowed with agricultural equipment. The area will then be seeded with a no-till seeder and straw will be blown on for erosion control.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue K-31	40	None	None
Ladino clover	2		
Korean Lesp.	10		
Rye Grass	20		

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

RECEIVED
FEB - 9 1998

MISSOURI LAND
RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

The result of reclamation should yield about a 1 acre lake.
The dam and all slopes to the water will not exceed 3:1.

RECEIVED
FEB - 9 1998
MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading will be complete within twelve months after expiration of permit or initial permit renewal.

REPLACEMENT OF TOPSOIL

Topsoil will be replaced on the graded areas within the aforementioned time period.

REVEGETATION

All areas where topsoil is replaced will be seeded in spring or fall.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

1" - 2" plus subsoil for a total of 12"

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

4

Agricultural (pasture, cropland, and horticultural)

0

Development (residential, industrial, and recreational)

0

Water impoundments (for wildlife, agricultural, or development)

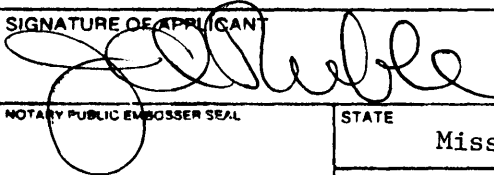
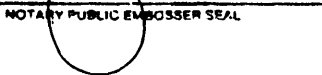
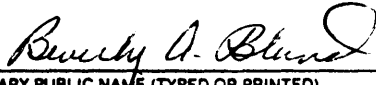
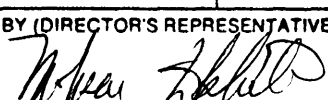
1

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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FEB - 9 1998

MISSOURI LAND
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT 		TITLE Mgr-Eng + Mining	DATE 12/15/97
NOTARY PUBLIC EMBOSSEER SEAL 	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Ralls	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 15th DAY OF December 19 97		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 5-20-98	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Beverly A. Bland		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 3/25/98	PERMIT NUMBER 321



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

RECEIVED
AUG 22 1997
MISSOURI LAND
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <i>E. Lacy Pit No. 2 Mine 162</i>		PERMIT NUMBER <i>0321</i>
COMPANY NAME <i>Continental Cement Company</i>		
COUNTY <i>Gasconade</i>	1/4 SECTION <i>NW</i>	SECTION <i>13</i>
TOWNSHIP <i>41N</i>	RANGE <i>6W</i>	ACRES <i>1.0</i>
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <i>N/A</i>		
MINERAL COMMODITY <i>Fire Clay</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <i>N/A</i>

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>Richard Witte</i>		
ADDRESS <i>Route 1</i>		
CITY <i>Bland</i>	STATE <i>MO</i>	ZIP CODE <i>65014</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <i>1/13/61</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>Continental Cement Company</i>		
ADDRESS <i>P.O. Box 517</i>		
CITY <i>Owensville</i>	STATE <i>MO</i>	ZIP CODE <i>65066</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input checked="" type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <i>12/93</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

RECEIVED
AUG 22 1997

P.O. BOX 178
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE.

MISSOURI LAND
RECLAMATION COMMISSION

6-17-2002 (PN)

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

The site is situated on a gentle slope ranging from 2° to 4°. Fescue was the prominent vegetation observed. Topsoil ranges from 0" to 8" in depth. Overlain by the topsoil is an unconsolidated alluvium composed of gravel and red, bondy clay. This alluvial layer averages 8' in depth, directly below which lies the fire clay deposit.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

0-8

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Scrapers and dozers will remove and stockpile the topsoil

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil pile will be seeded by a no-till Brillion seeder or equivalent. The seed mix will consist of wheat and fescue. Fertilizer will be applied if necessary. In addition, straw will be blown on to control erosion until vegetation has been established.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

All spoil will be used to construct a dam. The stripping project will place the spoil in its final resting place. Once in place, topsoil will be spread over the spoil and seeded

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See Maps

YES NO

☐☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐☒

Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

PURPOSE OR LAND USE
Pasture & Water impoundment

B. SEEDING OR PLANTING TIME

B. SEEDING OR PLANTING TIME
early spring or fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Once grading is completed with dozers, the area will be disced and narrowed with agricultural equipment. The area will then be seeded with a no-till seeder and straw will be blown on for erosion control.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue K-31	40	None	None
Ladino clover	2		
Korean Lesp.	10		
Rye Grass	20		

VEGETATION MIX #2

PURPOSE OR LAND USE

8. SEEDING OR PLANTING TIME	10/15/68
-----------------------------	----------

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND
RECLAMATION COMMISSION

The result of reclamation should yield about a 1 acre lake.
The dam and all slopes to the water will not exceed 3:1.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Grading will be complete within twelve months after expiration of permit or initial permit renewal.

REPLACEMENT OF TOPSOIL

Topsoil will be replaced on the graded areas within the aforementioned time period.

REVEGETATION

All areas where topsoil is replaced will be seeded in spring or fall.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

1"-2" plus subsoil for a total of 12"

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

0

Agricultural (pasture, cropland, and horticultural)

0

Development (residential, industrial, and recreational)

0

Water impoundments (for wildlife, agricultural, or development)


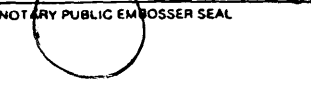
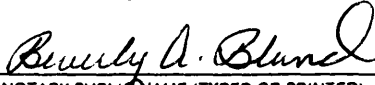

1

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AUG 2 1997

MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE Mng Eng/Mining	DATE 6/17/97
NOTARY PUBLIC EMBOSSER SEAL 	STATE MISSOURI		COUNTY (OR CITY OF ST. LOUIS) RALLS
	SUBSCRIBED AND SWORN BEFORE ME, THIS 17th DAY OF June 19 97		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 5-20-98	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Beverly A. Bland		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 3/25/98	PERMIT NUMBER 321



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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JUL 02 1998

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <i>Graves</i>		PERMIT NUMBER <i>0321</i>	MISSOURI LAND RECLAMATION COMMISSION
COMPANY NAME <i>Continental Cement</i>			
COUNTY <i>Gasconade</i>	1/4 SECTION <i>NE</i>	SECTION <i>4</i>	
TOWNSHIP <i>42N</i>	RANGE <i>5W</i>	ACRES <i>2nd 3rd 4th</i>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
MINERAL COMMODITY <i>Fire Clay</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>William Jaffke</i>		
ADDRESS <i>12926 Topping Estates</i>		
CITY <i>St Louis</i>	STATE <i>MO</i>	ZIP CODE <i>63131</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <i>8-11-64</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>Continental Cement</i>		
ADDRESS <i>P.O. Box 517</i>		
CITY <i>Davensville</i>	STATE <i>MO</i>	ZIP CODE <i>65066</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input checked="" type="checkbox"/> OTHER (DESCRIBE): <i>Quit Claim</i>		DATE OF AGREEMENT <i>6-25-96</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



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TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 5/26/2001

MISSOURI LAND
RECLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

The area was densely wooded with 6-8" diameter oaks. This pit lies atop a hill and the soil beneath the leaf cover is almost nonexistent. Any soil turns to gravel & clay, red in color very soon.

This pit was stripped prior to Continental's purchase

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

2 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Bulldozer was used to pile the soil next to the pit.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Apparently what little soil was there is beneath the the pile of overburden. No separate pile of TS exists on site.

- I have seen this at another location so I am assuming it is the same on this one.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

any spoil will be either stored in the depleted pit or used for Dam building.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See maps

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MISSOURI LAND
RECLAMATION COMMISSION

YES NO

- | | | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.) |

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1	PURPOSE OR LAND USE <i>Wildlife Hab.</i>	B. SEEDING OR PLANTING TIME <i>Fall 98</i>
---------------------	---	---

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Dzer will be used to grade the site, followed by a disc. A no-till seeder will seed the area followed by straw mulch + a crimp.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
<i>Orchard</i>	<i>20</i>		
<i>Ludino</i>	<i>2</i>		
<i>Red clover</i>	<i>2</i>		
<i>Wren Lesp</i>	<i>10</i>		
<i>Fescue</i>	<i>20</i>		

VEGETATION MIX #2	PURPOSE OR LAND USE <i>same</i>	B. SEEDING OR PLANTING TIME <i>Fall 99 or Spring</i>
-------------------	------------------------------------	---

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

litmus with disc or tiller or rake, scratch the bare spots to prepare seed bed. Use equipment which will minimize disruption of mix #1.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
<i>Same as</i>	<i>#1</i>		

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MISSOURI LAND
RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

depleted pit will become a pond.
slopes will be created which will hold
themselves and establish vegetation.

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MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Completed within 12 months after expiration of
permit or initial permit renewal

REPLACEMENT OF TOPSOIL

Within 12 months of permit expiration on all
mined out portions

REVEGETATION

Fall 98

Follow up as required

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12"

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

2

Agricultural (pasture, cropland, and horticultural)

0

Development (residential, industrial, and recreational)

0

Water impoundments (for wildlife, agricultural, or development)

1

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

RECEIVED
JUL 02 1998

MISSOURI LAND
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT <i>[Signature]</i>		TITLE <i>for CCC Quarry Foreman</i>	DATE <i>7/1/98</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>GASCONADE</i>	
SUBSCRIBED AND SWORN BEFORE ME, THIS <i>1</i> DAY OF <i>July</i> 19 <i>98</i>		USE RUBBER STAMP IN CLEAR AREA BELOW	
NOTARY PUBLIC SIGNATURE <i>[Signature]</i>		MY COMMISSION EXPIRES <i>9-15-2001</i>	<div>JOANN C BARCH Notary Public - Notary Seal STATE OF MISSOURI GASCONADE COUNTY MY COMMISSION EXP. SEPT 15, 2001</div>
NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>JoAnn C. Barch</i>			
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>[Signature]</i>		DATE APPROVED <i>7-22-98</i>	PERMIT NUMBER <i>0321</i>



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

RECEIVED
AUG 22 1997

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <i>E. Jarvis Pit No. 1 Mine 173</i>		PERMIT NUMBER <i>0321</i>	MISSOURI LAND RECLAMATION COMMISSION
COMPANY NAME <i>Continental Cement Company</i>			
COUNTY <i>Osage</i>	1/4 SECTION <i>SW</i>	SECTION <i>12</i>	
TOWNSHIP <i>41 N</i>	RANGE <i>7W</i>	ACRES <i>1.0</i>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <i>N/A</i>			
MINERAL COMMODITY <i>Fire Clay</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <i>N/A</i>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>Earl Skinner</i>		
ADDRESS <i>3470 Ludlow</i>		
CITY <i>Bridgeton</i>	STATE <i>MO</i>	ZIP CODE <i>63044</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <i>4/16/64</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>Continental Cement Company</i>		
ADDRESS <i>P.O. Box 517</i>		
CITY <i>Owensville</i>	STATE <i>MO</i>	ZIP CODE <i>65066</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input checked="" type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <i>12/93</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

RECEIVED
AUG 22 1997

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE: 6/17/97

MISSOURI LAND
RECLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY

The site is situated on a gentle slope ranging from 2° to 4°. Fescue was the prominent vegetation observed. Topsoil ranges from 0" to 8" in depth. Overlain by the topsoil is an unconsolidated alluvium composed of gravel and red, bondy clay. This alluvial layer averages 8' in depth, directly below which lies the fire clay deposit.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

0-8

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Scrapers and dozers will remove and stockpile the topsoil

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil pile will be seeded by a no-till Brillion seeder or equivalent. The seed mix will consist of wheat and fescue. Fertilizer will be applied if necessary. In addition, straw will be blown on to control erosion until vegetation has been established.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

All spoil will be used to construct a dam. The stripping project will place the spoil in its final resting place. Once in place, topsoil will be spread over the spoil and seeded

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MISSOURI LAND
RECLAMATION COMMISSION

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See Maps

YES	NO
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

MISSOURI LAND

RECLAMATION COMMISSION

REVEGETATION MIX #1

PURPOSE OR LAND USE

SEEDING OR PLANTING TIME

Pasture & Water impoundment

early spring or fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Once grading is completed with dozers, the area will be disced and narrowed with agricultural equipment. The area will then be seeded with a no-till seeder and straw will be blown on for erosion control.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue K-31	40	None	None
Ladino clover	2		
Korean Lesp.	10		
Rye Grass	20		

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

The result of reclamation should yield about a 1 acre lake. The dam and all slopes to the water will not exceed 3:1.

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AUG 22 1997
MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading will be complete within twelve months after expiration of permit or initial permit renewal.

REPLACEMENT OF TOPSOIL

Topsoil will be replaced on the graded areas within the aforementioned time period.

REVEGETATION

All areas where topsoil is replaced will be seeded in spring or fall.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

1"-2" plus subsoil for a total of 12"

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)



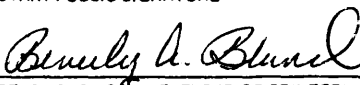

Water impoundments (for wildlife, agricultural, or development)

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AUG 27 1997

MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE Mgr-Eng/Mining	DATE 6/17/97
NOTARY PUBLIC EMBOSSEER SEAL 	STATE MISSOURI	COUNTY (OR CITY OF ST. LOUIS) RALLS	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 17th DAY OF June 19 97		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 5-20-98	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Beverly A. Bland		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 3/25/98	PERMIT NUMBER 321



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

RECEIVED
JUL 02 1998

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <i>Reed</i>		PERMIT NUMBER <i>0321</i>	MISSOURI LAND RECLAMATION COMMISSION
COMPANY NAME <i>Continental Cement</i>			
COUNTY <i>Gasconade</i>	1/4 SECTION <i>NE</i>	SECTION <i>13</i>	
TOWNSHIP <i>41 N</i>	RANGE <i>5 W</i>	ACRES <i>2 3 total</i>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
MINERAL COMMODITY <i>Fire Clay</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>Bob Zykan</i>		
ADDRESS <i>3 Laura Hills</i>		
CITY <i>St Peters</i>	STATE <i>MO</i>	ZIP CODE <i>63134</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <i>5-28-38</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>Continental Cement</i>		
ADDRESS <i>P.O. Box 517</i>		
CITY <i>Owensville</i>	STATE <i>MO</i>	ZIP CODE <i>65066</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input checked="" type="checkbox"/> OTHER (DESCRIBE): <i>Quit Claim</i>		DATE OF AGREEMENT <i>6-25-96</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE:

5/26/2001

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

pit lies in a ravine on the side slope.
topsoil is only 2" deep. the area was
wooded.

stripped prior to CCC ownership

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

2

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

apparently a dozer was used to pile
the TS.

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MISSOURI LAND
RECLAMATION COMMISSION

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

apparently TS is under the overburden
pile.

Done prior to CCC ownership.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

spoil will be piled next pit and used
to partially backfill the depleted hole.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See maps

RECEIVED
JUL 02 1998
MISSOURI LAND
RECLAMATION COMMISSION

YES NO

- | | | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.) |

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

Wildlife

B. SEEDING OR PLANTING TIME

Fall or Spring

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Dogze to grade
disc to prepare seed bed
no till seeder
straw mulch and crimp

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard	20		
Ladino	2		
Red clover	2		
Korean Lesp	10		
Fescue	30		

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Follow up seeding only as repairs require
with minimum tools to avoid disruption
of success of mix #1.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Same as #1			

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RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

There will be a solid rock wall down to dirt. Hopefully it will not hold water. Landowner would prefer it to appear as an amphitheater. Slopes will be gradual into the floor to prevent erosion.

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C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Completed within 12 months after expiration of the permit or initial permit renewal

REPLACEMENT OF TOPSOIL

TS will be replaced at a depth described below within 12 months of permit expiration in all mined out portions.

REVEGETATION

seeded in spring or fall following ts placement
reseeding as required

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

3

Agricultural (pasture, cropland, and horticultural)

0

Development (residential, industrial, and recreational)

0

Water impoundments (for wildlife, agricultural, or development)

0

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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SIGNATURE OF APPLICANT <i>[Signature]</i>		TITLE <i>Quarry Foreman</i>		DATE <i>7/1/98</i>	
NOTARY PUBLIC EMBOSSER SEAL	STATE <i>Missouri</i>		COUNTY (OR CITY OF ST. LOUIS) <i>Gasconade</i>		
JOANN C BARCH Notary Public - Notary Seal STATE OF MISSOURI GASCONADE COUNTY MY COMMISSION EXP. SEPT 15, 2001		SUBSCRIBED AND SWORN BEFORE ME, THIS DAY OF <i>July</i> 19 <i>98</i>			
		NOTARY PUBLIC SIGNATURE <i>[Signature]</i>		MY COMMISSION EXPIRES <i>9-15-2001</i>	
		NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>JoAnn C. Barch</i>		JOANN C BARCH Notary Public - Notary Seal STATE OF MISSOURI GASCONADE COUNTY MY COMMISSION EXP. SEPT 15, 2001	
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>[Signature]</i>		DATE APPROVED <i>9-22-98</i>			
				PERMIT NUMBER <i>0321</i>	



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.		
SITE NAME OR NUMBER Scego #5		PERMIT NUMBER 0321
COMPANY NAME Continental Cement Co. LLC		
COUNTY Gasconade	1/4 SECTION SW	SECTION 3
TOWNSHIP 42 N	RANGE 5 W	ACRES 8 additional 18 th
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A		↳ for Landowner's Dam site only
MINERAL COMMODITY Fire Clay		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Ronald E. Ragland		
ADDRESS 9404 Chesapeake Drive		
CITY San Diego	STATE CA	ZIP CODE 92123
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE) _____		DATE OF AGREEMENT 5/16/40
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Continental Cement Co. LLC		
ADDRESS PO Box 517, Hwy 28 W.		
CITY Owensville	STATE MO	ZIP CODE 65066
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input checked="" type="checkbox"/> OTHER (DESCRIBE): Quit claim		DATE OF AGREEMENT 6/25/96
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



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P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE

MISSOURI LAND

RECLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

The site was situated on about a 4% slope to the south. Fescue was the predominant vegetation. Topsoil ranges from 0-8" deep. Beneath the topsoil is unconsolidated alluvium, comprised of gravel and red, sandy clay.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

0-8" INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFF SITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozers & scrapers will remove & reserve pile the soil for cover on the Landowner's Dam, which is slightly offsite and the reason for this expansion.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The soil piles will not set long enough to worry about loss or stabilization. Dam construction is in concert with expansion. Therefore, reclamation will be completed before the pit is depleted.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Any material other than clay will be used in the landowner's dam. No spoil will be present on site upon reclamation.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None present

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See maps

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MISSOURI LAND
RECLAMATION COMMISSION

YES NO☐ ☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒

Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

Pasture/Ind.
Lake / Lake LP

B. SEEDING OR PLANTING TIME

Fall of year or Spring

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Continental will slope and seed the pit area (bonded acreage) in hopes of early release. The landowner's dam will eventually flood the entire area of the clay pit. Vegetation of the dam is the landowner's responsibility - it's his dam. He will bury our overburden making it impossible for Continental to seed.

*We will use a dozer, disc & no till seeder to revegetate. Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
fescue	30		
Ladino	2		
Korean Lesp	10		
Rye grass	20		

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

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MISSOURI LAND
RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

The result of reclamation will ultimately create about an 18 acre lake (per landowner).

Pertinent to Continental's responsibility, the pit proper will yield about 6-8 acres of water impoundment. The permit area around the pit where overburden was piled will be seeded. This area should be reasonably flat lying. Any area which will be above the ultimate water level, will be graded 3:1 or less to that level and seeded.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

~~This Fall 1997, maybe it will carry over to Winter 97.~~ Within 12 months after mining ceases. ~~LP~~ LP

REPLACEMENT OF TOPSOIL

same time frame as grading

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REVEGETATION

MISSOURI LAND
RECLAMATION COMMISSION

~~Spring or Fall of 98~~
within 12 months after grading is complete

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12" LP ~~#102~~" where needed above water level

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

0

Agricultural (pasture, cropland, and horticultural)

4

Development (residential, industrial, and recreational)

~~Don't site~~ LP

20

Water impoundments (for wildlife, agricultural, or development)

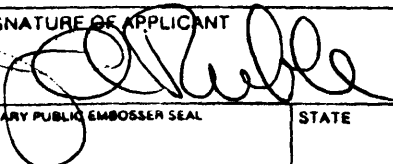
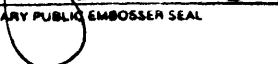
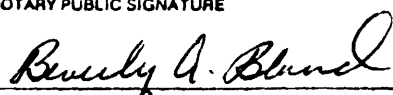
14 LP

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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FEB - 9 1998

MISSOURI LAND
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT 		TITLE Mgr - Eng + Mining		DATE 12/15/97	
NOTARY PUBLIC EMBOSSEER SEAL 	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Ralls		
	SUBSCRIBED AND SWORN BEFORE ME, THIS 15th DAY OF December 19 97			USE RUBBER STAMP IN CLEAR AREA BELOW	
	NOTARY PUBLIC SIGNATURE 		MY COMMISSION EXPIRES 5-20-98		
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Beverly A. Bland				
APPROVED BY (DIRECTOR'S REPRESENTATIVE)			DATE APPROVED		PERMIT NUMBER

MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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MISSOURI LAND RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER SKouBY Pit # 1		PERMIT NUMBER 0321	
COMPANY NAME Continental Cement Co.			
COUNTY Maries	1/4 SECTION NW	SECTION 26	
TOWNSHIP 40 N	RANGE 7 W	ACRES 2 net 7 1/2	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A			
MINERAL COMMODITY Fire clay		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A	

This expansion is to accommodate a dam - no mineral extraction

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Edward Vandever		
ADDRESS 6 Fircrest Lane		
CITY Fenton	STATE MO	ZIP CODE 63024
SOURCE OF RIGHT TO MINE (CHECK ONE)		DATE OF AGREEMENT
<input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE) _____		1/31/45
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Continental Cement Co.		
ADDRESS PO Box 517		
CITY Dwensville	STATE MO	ZIP CODE 65066
SOURCE OF RIGHT TO MINE (CHECK ONE):		DATE OF AGREEMENT
<input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input checked="" type="checkbox"/> OTHER (DESCRIBE): Quit Claim		6/96
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

R7W

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JUN 30 2000

MISSOURI LAND
RECLAMATION COMPANY
CONTINENTAL CEMENT COMPANY
CLAY OPERATIONS

Highway 28 West • P.O. Box 517
Owensville, MO 65066
Phone 314-437-7740
Fax 314-437-7741

North
↑

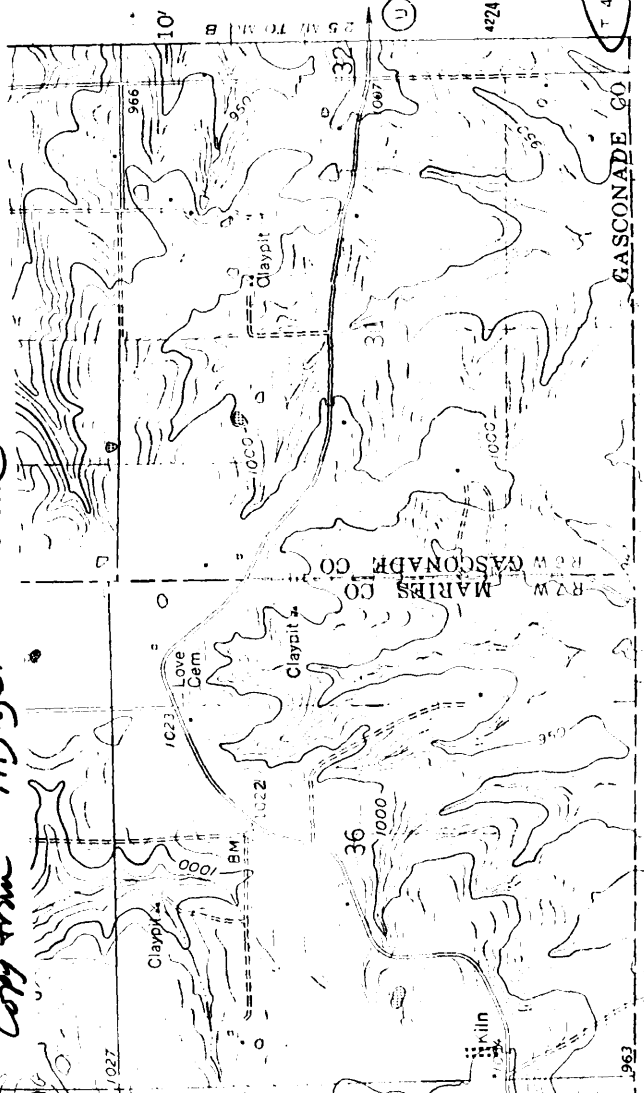
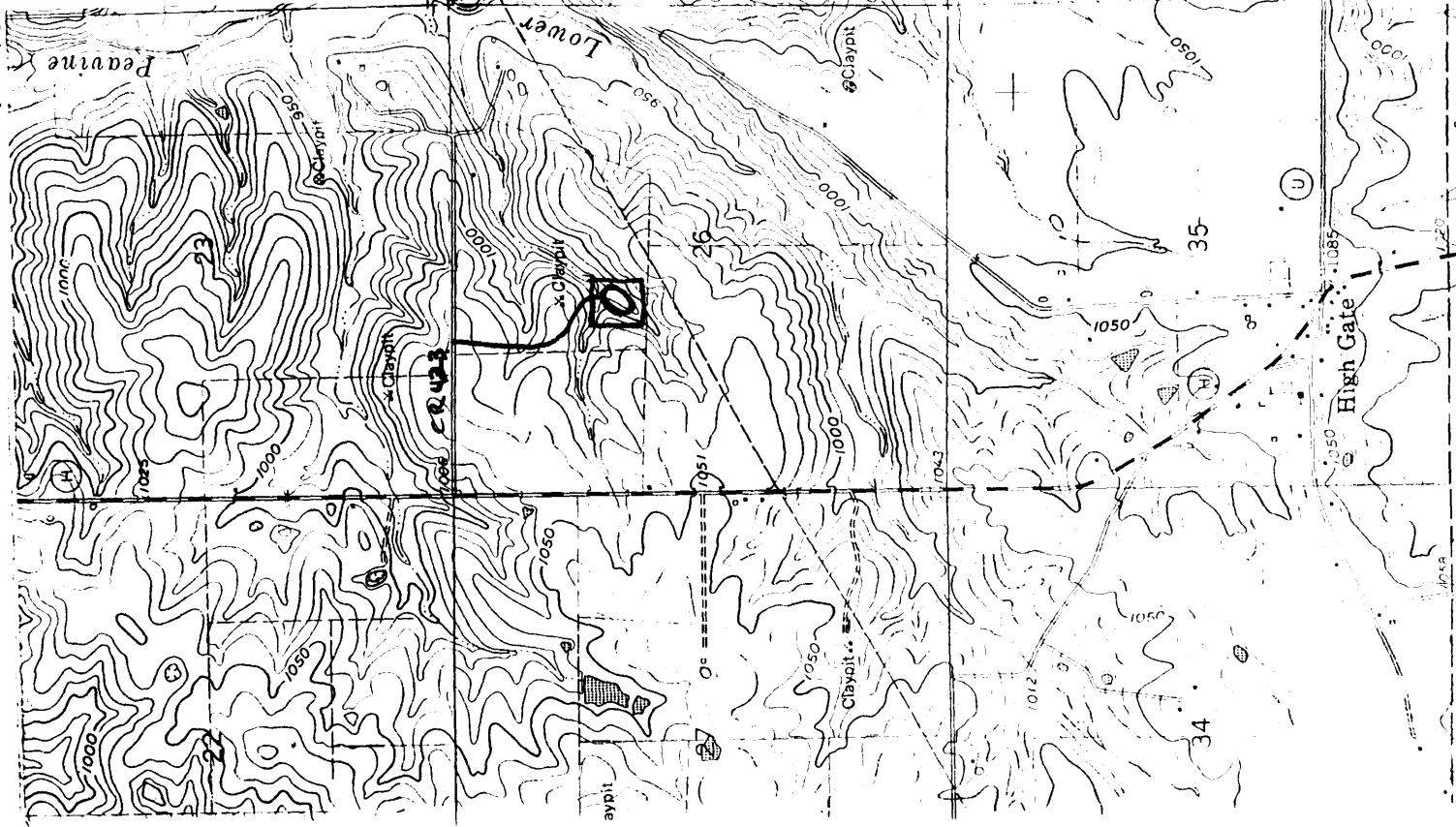
SCALE:
1"=2400'

Skouby pit #1
Maries County, MO
SE 1/4 NW 1/4 sec 26 T40N R7W

6/6/55 by Lee Powell, Quarry Foreman

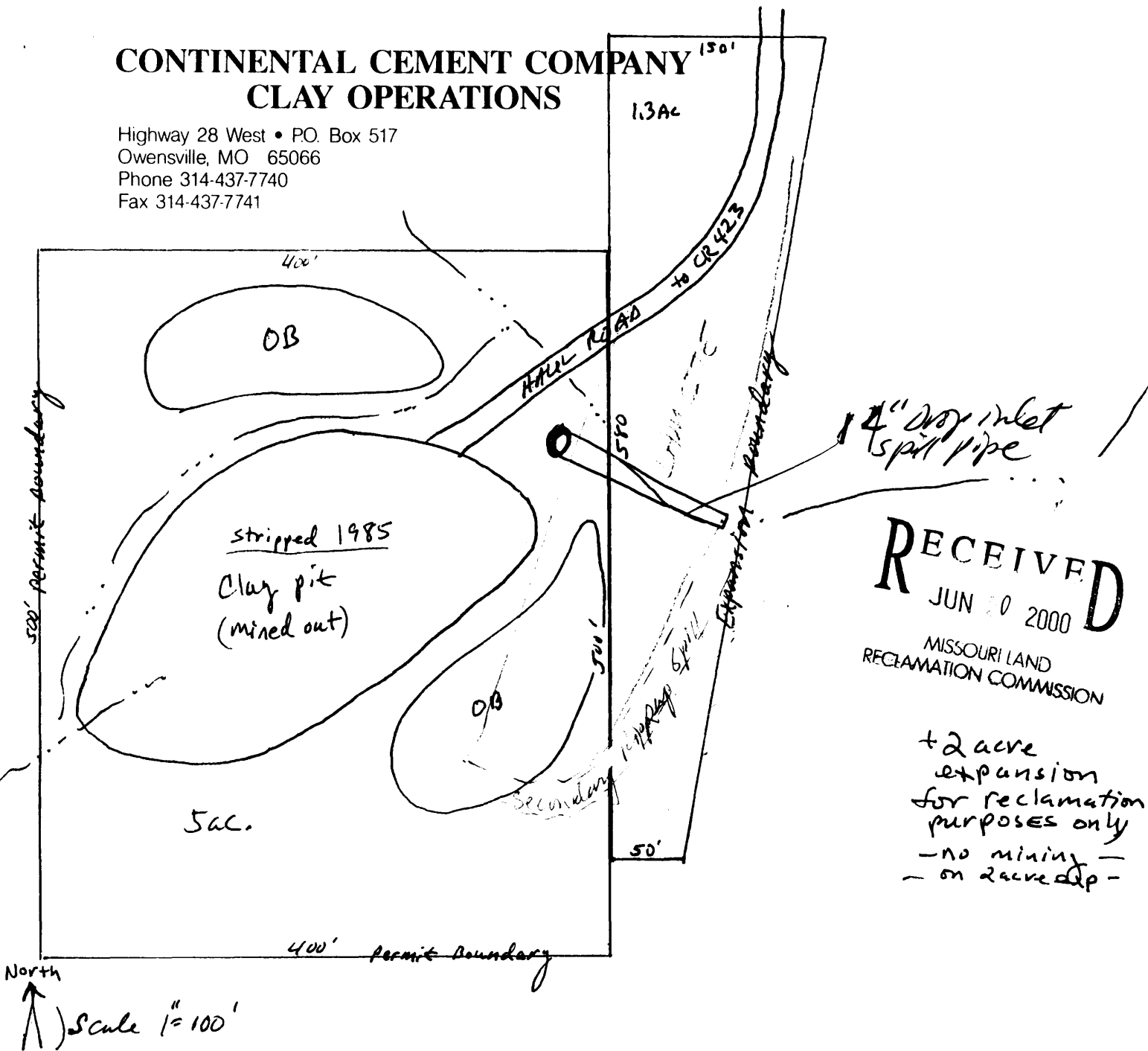
T40N

Copy from Highgate Road



CONTINENTAL CEMENT COMPANY CLAY OPERATIONS

Highway 28 West • P.O. Box 517
Owensville, MO 65066
Phone 314-437-7740
Fax 314-437-7741



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MISSOURI LAND
RECLAMATION COMMISSION

+2 acre
expansion
for reclamation
purposes only
- no mining -
- on 2 acre exp -

Landowner: Edward Vandever
Mineral owner: Continental Cement

SKowby pit #1, SE 1/4, NW 1/4, §26, T40N, R7W Maries County
6/8/99 Lee Powell, Quarry Foreman



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

3

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MISSOURI LAND RECLAMATION COMMISSION
P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE:

7/1/99 - 7/1/2004

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING VEGETATION AND TOPOGRAPHY

The 2 acre expansion area is creek ditch and hill slopes. Slopes do not exceed 2:1. The site is nearly clear of trees excepting the spillway locations indicated on detail map. The soil is very rocky and sandy, top soil is limited in existence and depth. Vegetation is limited to scrub brush and a few clumps of fescue.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

spotty 0-4 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFF SITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozers will be used to salvage topsoil where it exists. Otherwise, the top 12 inches will be piled separately for use later on the dam.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Topsoil and/or the top 12 inches will be stored in piles not to exceed 3:1. It will not be stored longer than one year. When the dam is ready for the topsoiling material the piles will be pushed on to the dam + seeded, fertilized and mulched.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

this site is to accomodate a dam only. the site will be dozed out to create a keyway. Then, the spoil + overburden from the adjacent pit will be graded over the dam site.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

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RECLAMATION COMMISSION

PJT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

see maps

YES NO

☐☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐☒

Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

Wildlife / water imp.

B. SEEDING OR PLANTING TIME

Fall or Spring

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

The graded area will be disced and a no till seeder will be used to sow the following mix. Straw mulch will be applied with a blower and crimped with a disc.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Wheat for cover	30	None	None
Orchard grass	5		
ladino clover	5		
Red clover	5		
Korean lesp.	10		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

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JUN 10 2000
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RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND
RECLAMATION COMMISSION

The pit proper and some surrounding areas will be flooded by a dam constructed of the overburden from stripping. All banks around the pit will be graded 3:1 and seeded below expected water level. The dam will be done the same way. Spillways will be lined with fabric, rip rapped, dirted and seeded with fescue to provide durability.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

The pit is depleted, so grading will begin as soon as the permit expansion is granted. This expansion is to provide room to construct the dam. (Summer 99)

REPLACEMENT OF TOPSOIL

as soon as grading is completed, top soil will be replaced. (Fall 99).

REVEGETATION

as soon as topsoil is redistributed, the seed mix will be applied. (Fall 99 or Spring 2000)

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

6"

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	3
Agricultural (pasture, cropland, and horticultural)	0
Development (residential, industrial, and recreational)	0
Water impoundments (for wildlife, agricultural, or development)	4

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

RECEIVED
JUN 30 2000
MISSOURI LAND
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT <i>R. P. Mueller</i>		TITLE <i>Environmental Compliance Mgr</i>	DATE <i>2/24/00</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Ralls County</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>24th</i> DAY OF <i>February</i> <i>2000</i>		USE RUBBER STAMP IN CLEAR AREA BELOW HYLA J. LEHENBAUER Notary Public - Notary Seal State of Missouri Ralls County My Commission Expires: Dec. 2, 2000
	NOTARY PUBLIC SIGNATURE <i>Hyla J. Lehenbauer</i>	MY COMMISSION EXPIRES <i>12/2/2000</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Hyla J. Lehenbauer</i>		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>[Signature]</i>		DATE APPROVED <i>12-8-00</i>	PERMIT NUMBER <i>0321</i>



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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AUG 22 1997

MISSOURI LAND
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <i>Tappmeyer - Heirs Pit No. 2, Mine 64</i>		PERMIT NUMBER <i>0321</i>
COMPANY NAME <i>Continental Cement Company</i>		
COUNTY <i>Gasconade</i>	1/4 SECTION <i>SW</i>	SECTION <i>21</i>
TOWNSHIP <i>42 N</i>	RANGE <i>5W</i>	ACRES <i>1.0</i>
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <i>N/A</i>		
MINERAL COMMODITY <i>Fire Clay</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <i>N/A</i>

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>Earl Farris</i>		
ADDRESS <i>Route 2</i>		
CITY <i>Owensville</i>	STATE <i>MO</i>	ZIP CODE <i>65066</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <i>7/22/42</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>Continental Cement Company</i>		
ADDRESS <i>P.O. Box 517</i>		
CITY <i>Owensville</i>	STATE <i>MO</i>	ZIP CODE <i>65066</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input checked="" type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <i>12/93</i>
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

RECEIVED
AUG 22 1997

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE 6/17/02

MISSOURI LAND
RECLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY

The site is situated on a gentle slope ranging from 2° to 4°. Fescue was the prominent vegetation observed. Topsoil ranges from 0" to 8" in depth. Overlain by the topsoil is an unconsolidated alluvium composed of gravel and red, bondy clay. This alluvial layer averages 8' in depth, directly below which lies the fire clay deposit.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

0-8

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Scrapers and dozers will remove and stockpile the topsoil

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The topsoil pile will be seeded by a no-till Brillion seeder or equivalent. The seed mix will consist of wheat and fescue. Fertilizer will be applied if necessary. In addition, straw will be blown on to control erosion until vegetation has been established.

B. SPOIL

MISSOURI LAND
RECLAMATION COMMISSION

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

All spoil will be used to construct a dam. The stripping project will place the spoil in its final resting place. Once in place, topsoil will be spread over the spoil and seeded

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See Maps

YES NO

- | | | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.) |

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AUG 22 1997

MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT

TITLE

DATE

NOTARY PUBLIC EMBOSSEER SEAL

STATE

MISSOURI

COUNTY (OR CITY OF ST. LOUIS)

ROLLS

SUBSCRIBED AND SWORN BEFORE ME, THIS

17th

DAY OF June

19 97

USE RUBBER STAMP IN CLEAR AREA BELOW

NOTARY PUBLIC SIGNATURE

MY COMMISSION
EXPIRES

5-20-98

NOTARY PUBLIC NAME (TYPED OR PRINTED)

Beverly A. Bland

APPROVED BY (DIRECTOR'S REPRESENTATIVE)

DATE APPROVED

PERMIT NUMBER

3/25/98

321

MMP SCALE:
1.0" = 2000.0'

2

LOCATOR MAP

UNION VIA U.S. MAIL
GERALD J. B. (GERALD B.)

R 3 W 17'30"

Continental Cement Co.
(Obtained from Strain Quadrangle)

Franklin Co., Mo.

Crews Pit No. 1

11 June, 1997

Prepared By:

Ryan Mueller

RECEIVED
FEB - 9 1998
MISSOURI LAND
INFORMATION CO.

EB - 9 1998
MISSOURI LAND
RECLAMATION COMMISSION

丁巳

Detail Map Post Mining Land Use

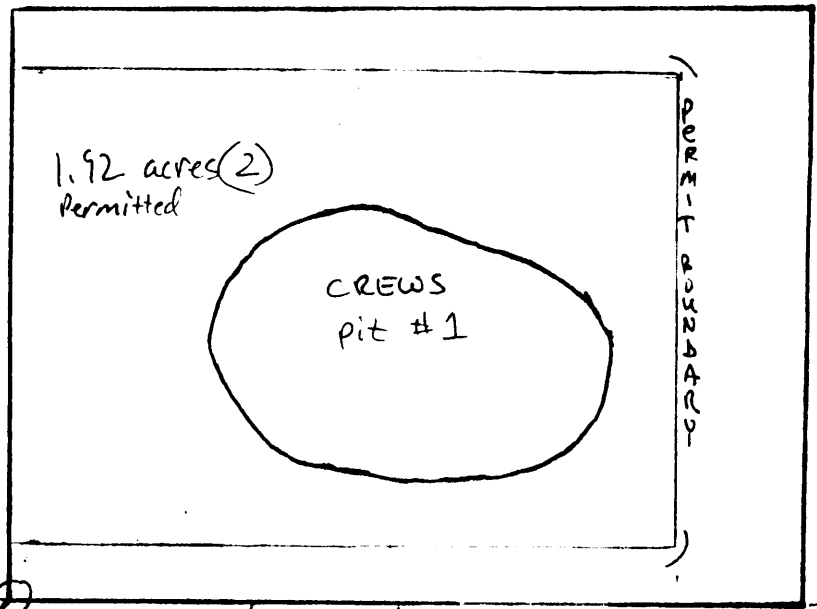


MAP SCALE: 1.0" = 100.0'

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



subsurface owner: Continental Cement



surface owner: Gary Sieker
Real estate property line

Reservation Boundary

surface owner: Larry Lonigro - adjoining property

3200'
N35°E

23 | 24
26 | 25

Note: Distance from
section corner to
reservation boundary
NOT TO SCALE

RECEIVED
FEB - 9 1998

MISSOURI LAND
RECLAMATION COMMISSION

T42N R4W

Continental Cement Co.
Franklin Co., MO
Crews Pit No. 1

Sec. 24, T42N, R4W
16 June, 1997

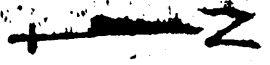
Prepared By: Ryan Mueller

Amended by Lee Powell 11/17/97

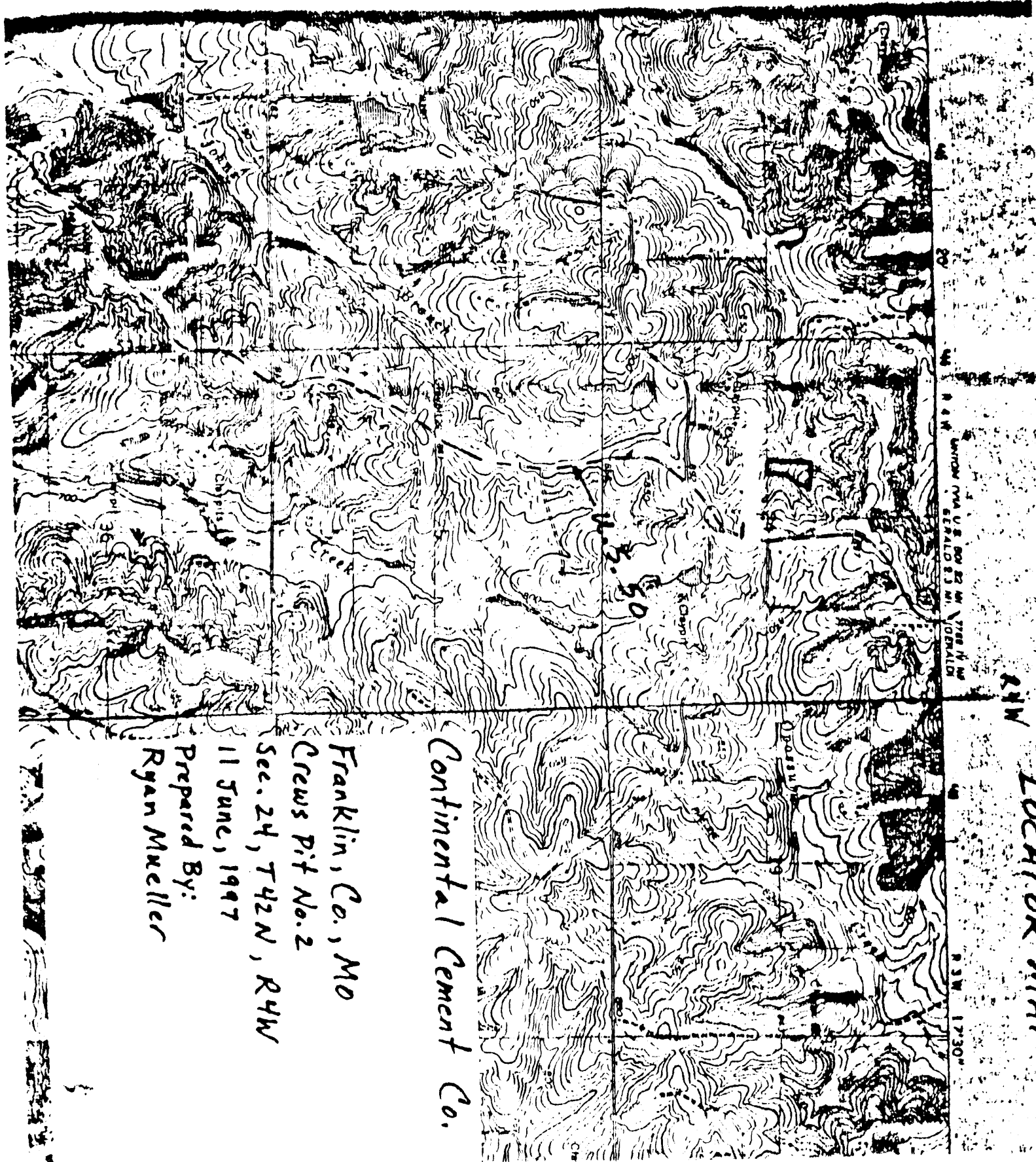
RECEIVED
FEB - 9 1998

MISSOURI LAND
RECLAMATION COMMISSION

MAP SCALE:
1.0" = 2000.0'



T42N



LOCATOR MAP
R4W

Continental Cement Co.

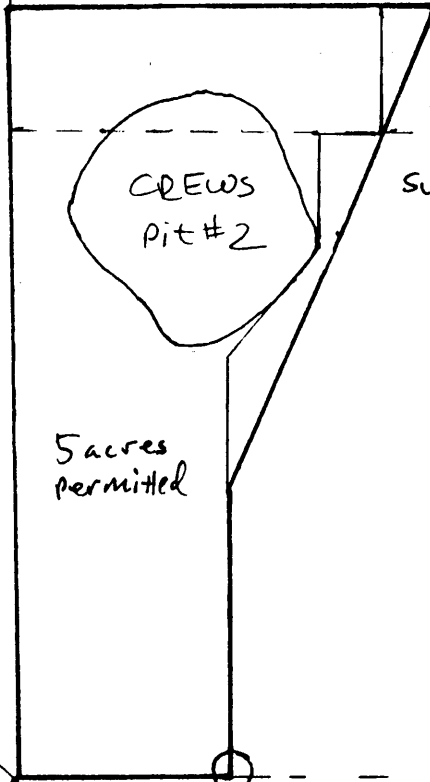
Franklin, Co., Mo
Crews Pit No. 2
Sec. 24, T42N, R4W
Prepared By:
Ryan Mueller

Detail Map Post Mining Land Use



Map Scale: 1.0" = 200.0'

Reservation Boundary



Jesse Angell
adjoining prop.
not in permit area

5 acres
permitted

Surface owner: James Froelker

Surface owner: Gary Sicker

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MISSOURI LAND
RECLAMATION COMMISSION

Surface owner LARRY LOWARD
adjoining property
not in permit area

R4W
T42N

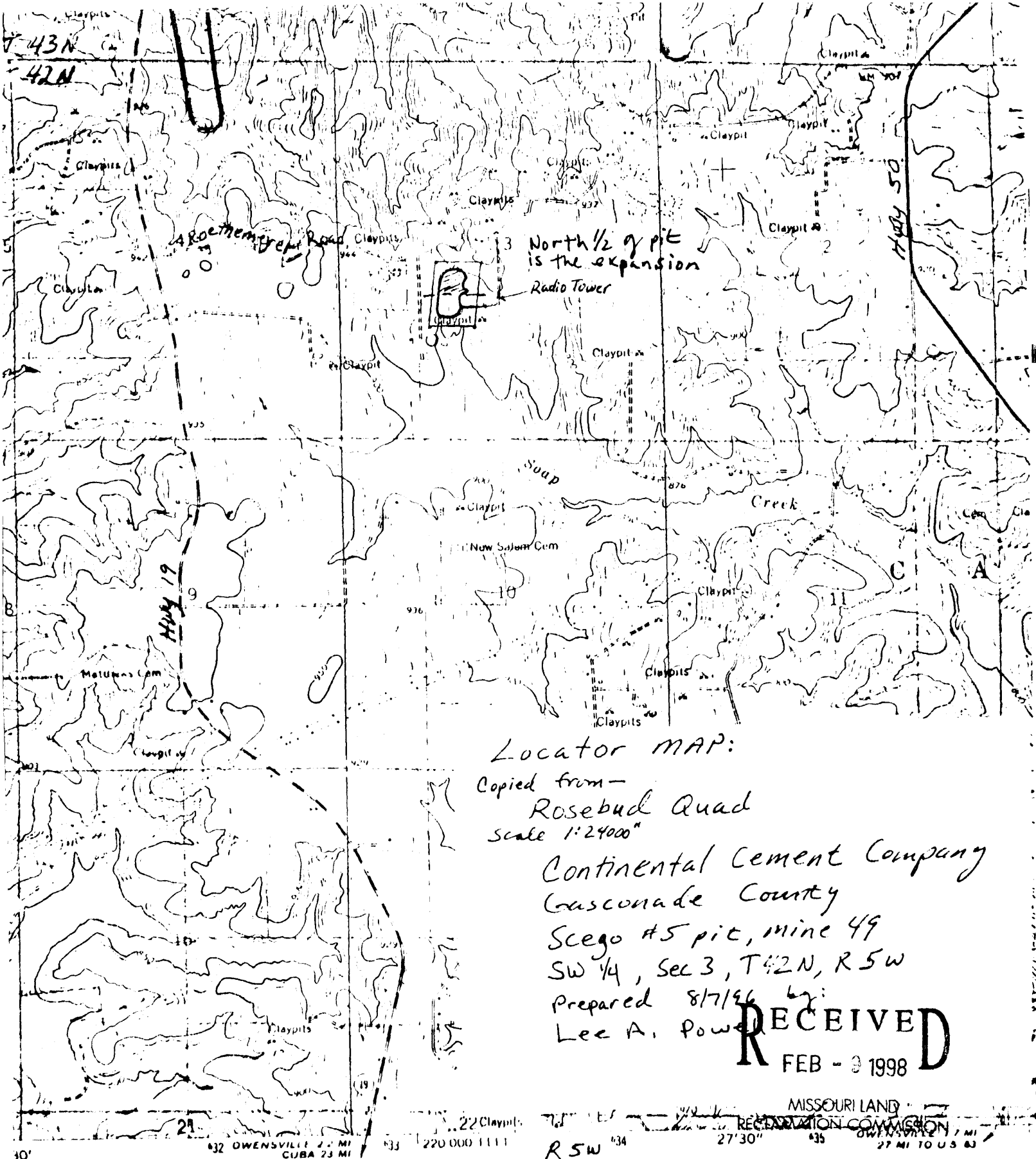
23 | 24
26 | 25

Incorrect
3200'
N35°E
N35°E 3200'

Continental Cement Co.
Franklin Co., Mo
Crews Pit No. 2
Sec. 24, T42N, R4W
16 June, 1997
Prepared By: Ryan Mueller
Amended by Lee Powell 11/17/97

22-141 50 SHEETS
22-142 100 SHEETS
22-143 200 SHEETS





Locator MAP:

Copied from -

Rosebud Quad

scale 1:24000"

Continental Cement Company
Gasconade County

Scago #5 pit, mine 49
SW 1/4, Sec 3, T42N, R 5W

Prepared 8/7/96 by:

Lee A. Powell

RECEIVED
FEB - 9 1998

MISSOURI LAND

RECLAMATION COMMISSION

R 5W 27°30'

27°30'

435

OWENSVILLE 27 MI TO U.S. 63

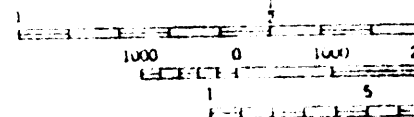
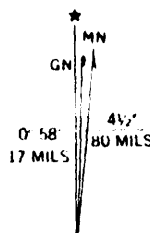
Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial
photographs taken 1964. Field checked 1965

Polyconic projection. 1927 North American datum
10,000 foot grid based on Missouri coordinate system, east zone
1000-meter Universal Transverse Mercator grid ticks,
zone 15, shown in blue

Fine red dashed lines indicate selected fence and field lines where



CON.
NATIONAL GE

THIS MAP COPIES

Continental Cement Co. LLC

Gasconade Cnty.
by Lee A. Powell

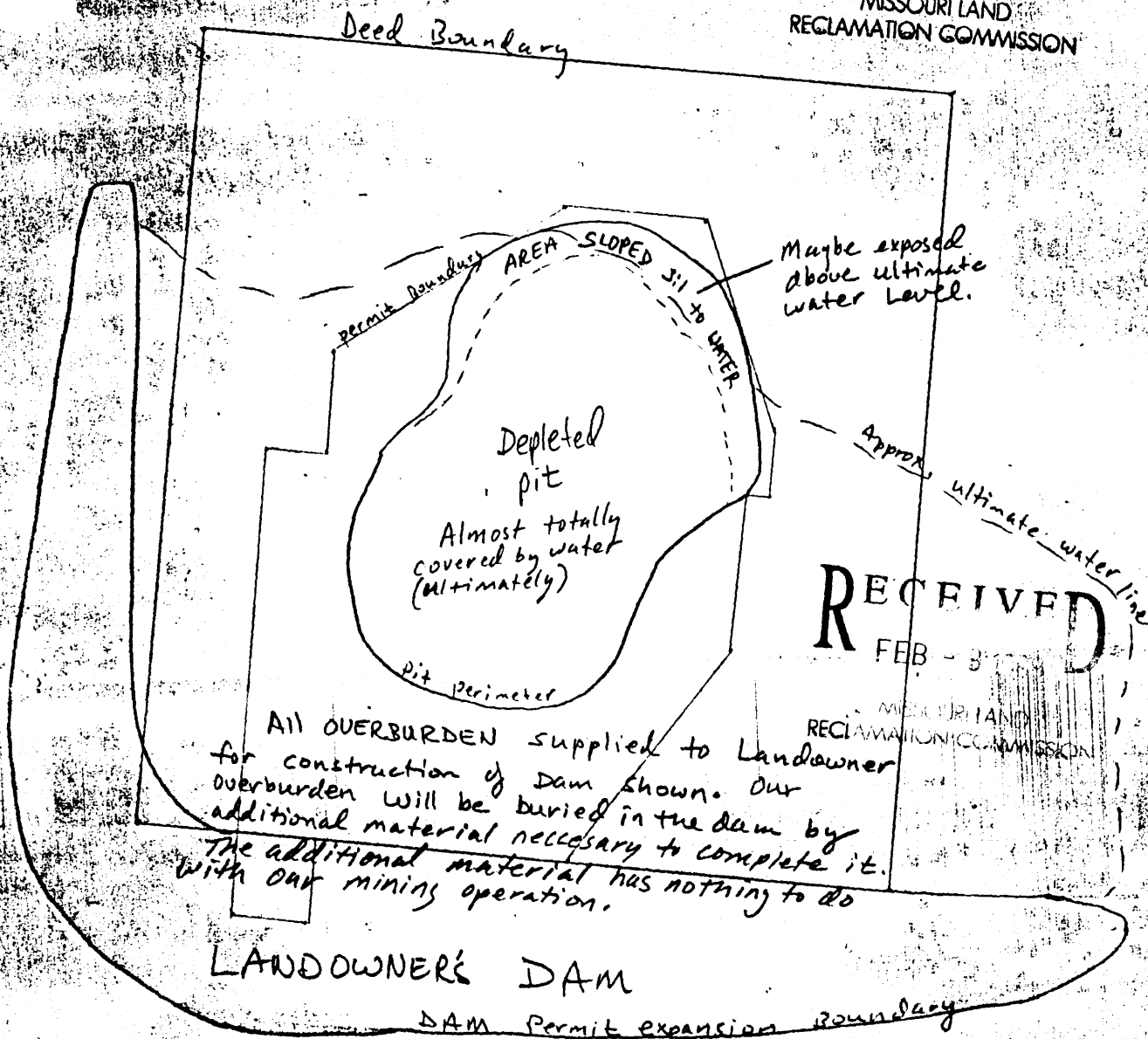
Site Sego #5

post mining map/Expansion

Landowner: Ronald E. Ragland

RECEIVED
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MISSOURI LAND
RECLAMATION COMMISSION



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FEB - 9 1998

MISSOURI LAND
RECLAMATION COMMISSION

Dam acreage $2100' \text{ linear} \times 165' \text{ avg width} = 7.95 \text{ acres} = 8 \text{ ac.}$
Release of this acreage is understood to happen as soon as Landowner buries CCC's material under his borrow material.

"Expansion" to include dam site.

Continental Cement Co LLC

Gasconade Cnty

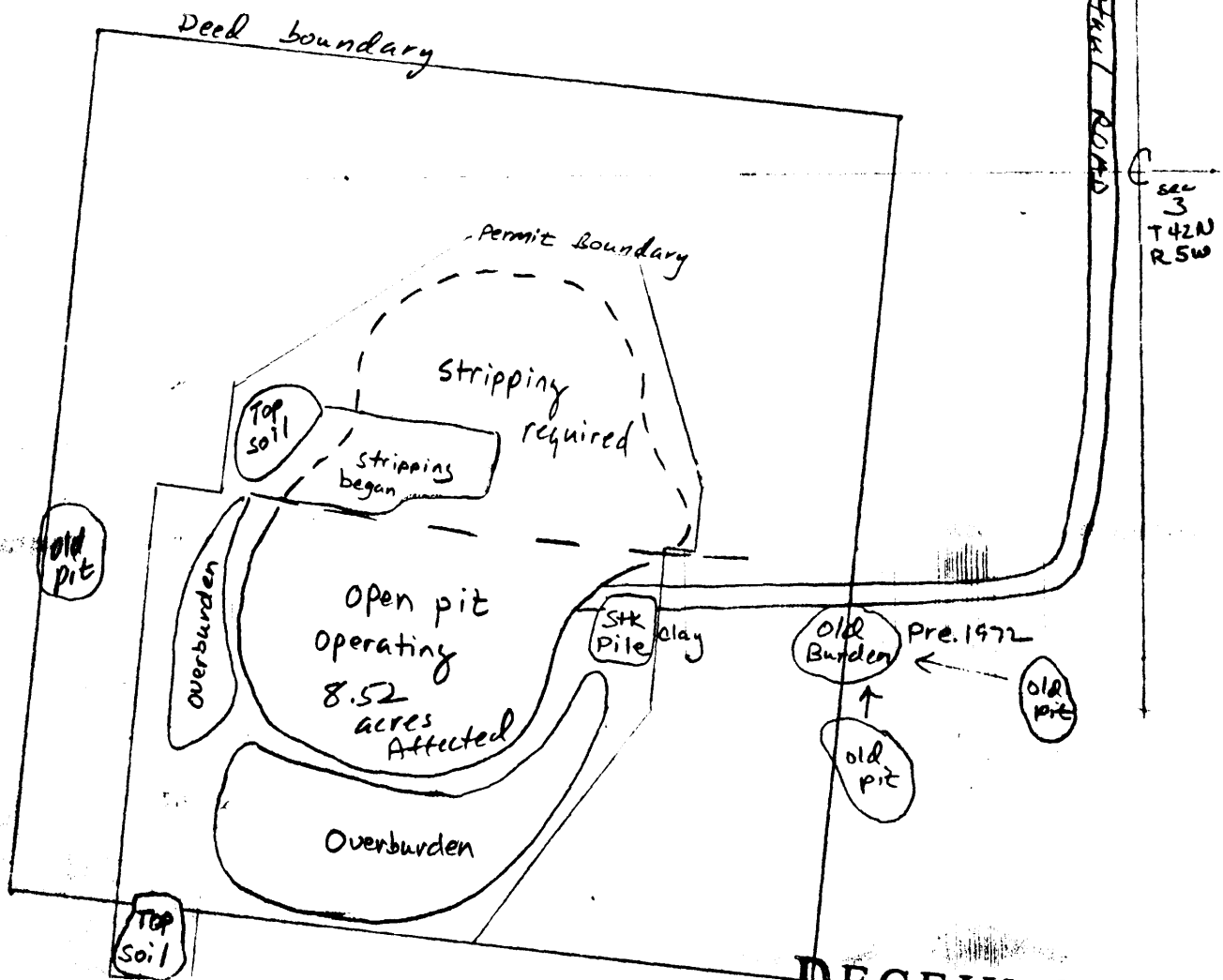
Site: Scego #5 as of 10/9/97

by: Lee A. Powell

Landowner: Ronald E. Rayland

Roethemeyer Road

North
↑
1" = 200'



Sec 3
T42N
R5W

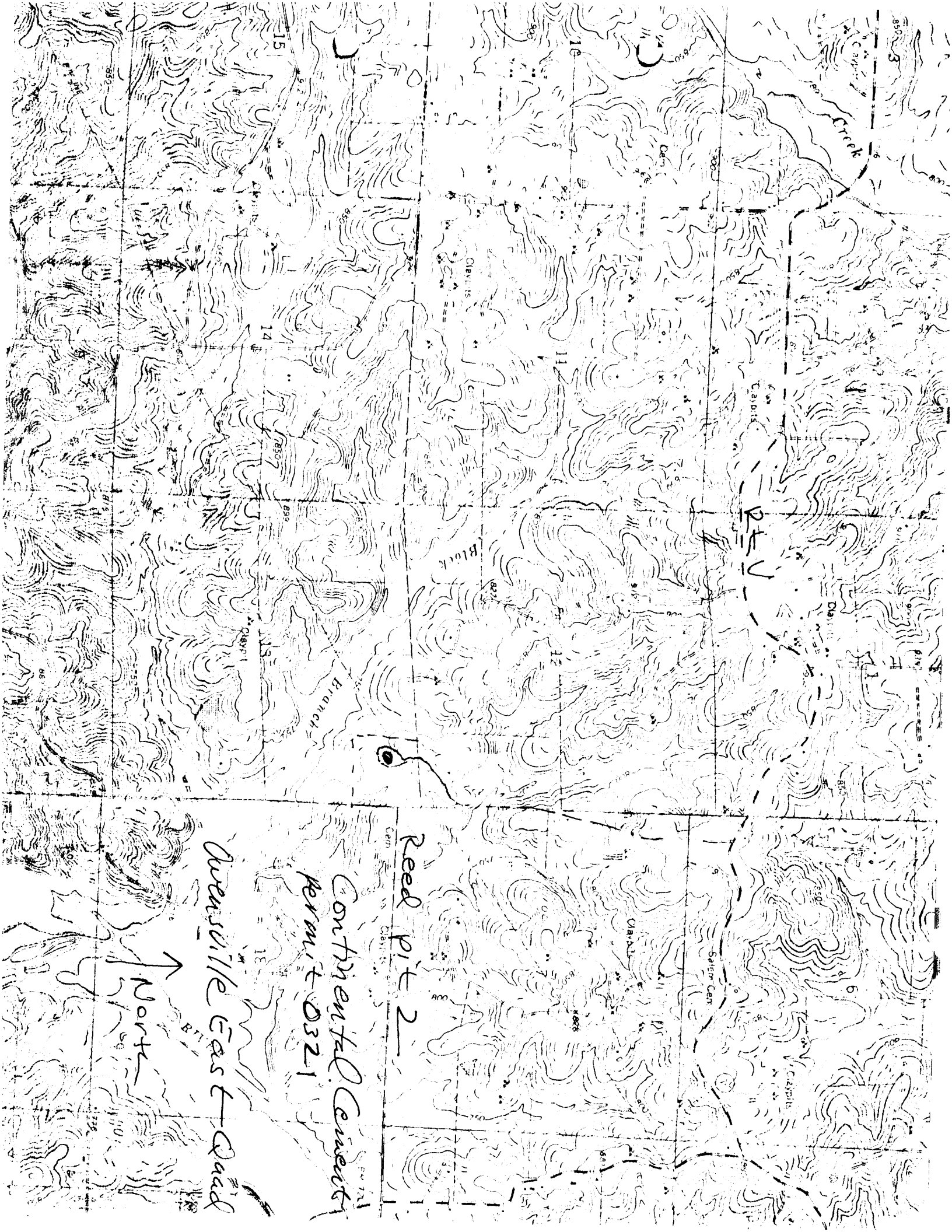
10 Acres bonded

RECEIVED
FEB - 9 1998

MISSOURI LAND
RECLAMATION COMMISSION

Permit Boundary Revised - Requested by O'Dell.

"Revision"



Reed pit 2

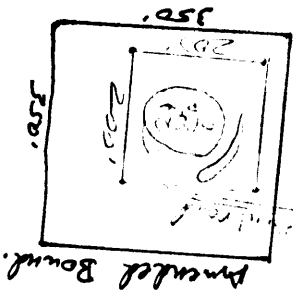
Continental Creek
Permit 0321

Quenville East Quad

North

1257

NE 1/4 NW 1/4 Sec 37 T41N R5W



Reed 2

1320' and boundary

RECEIVED
MAY 13 1998

MISSOURI LAND
RECLAMATION COMMISSION

Depleted in Fall 97

Reclamation to begin Summer 98

Continental (Circuit Co LLC

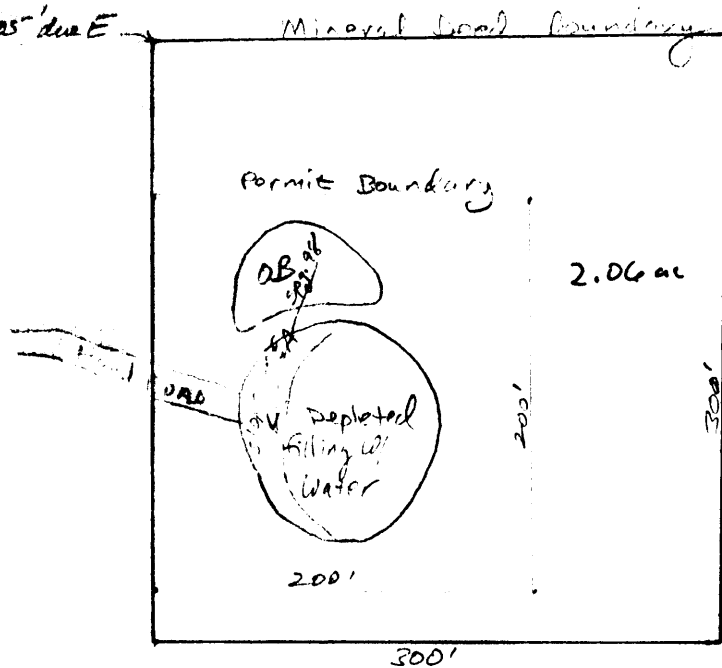
Permit 0521

1" = 300'

1 acre bonded Humbered to 3 acres bonded 5/98
per divide 4/98
Recommendation: Water 3 mg / boundary 4/98

574.5 West of N 1/4 section line Sec 4, T42, R5W

1997



Graves 2

RECEIVED
MAY 13 1998
MISSOURI LAND
RECLAMATION COMMISSION

Mineral was depleted from pit in 97
Reclamation to begin spring 98. DB will
be pushed in to slope an unconsolidated
bank on the west side.

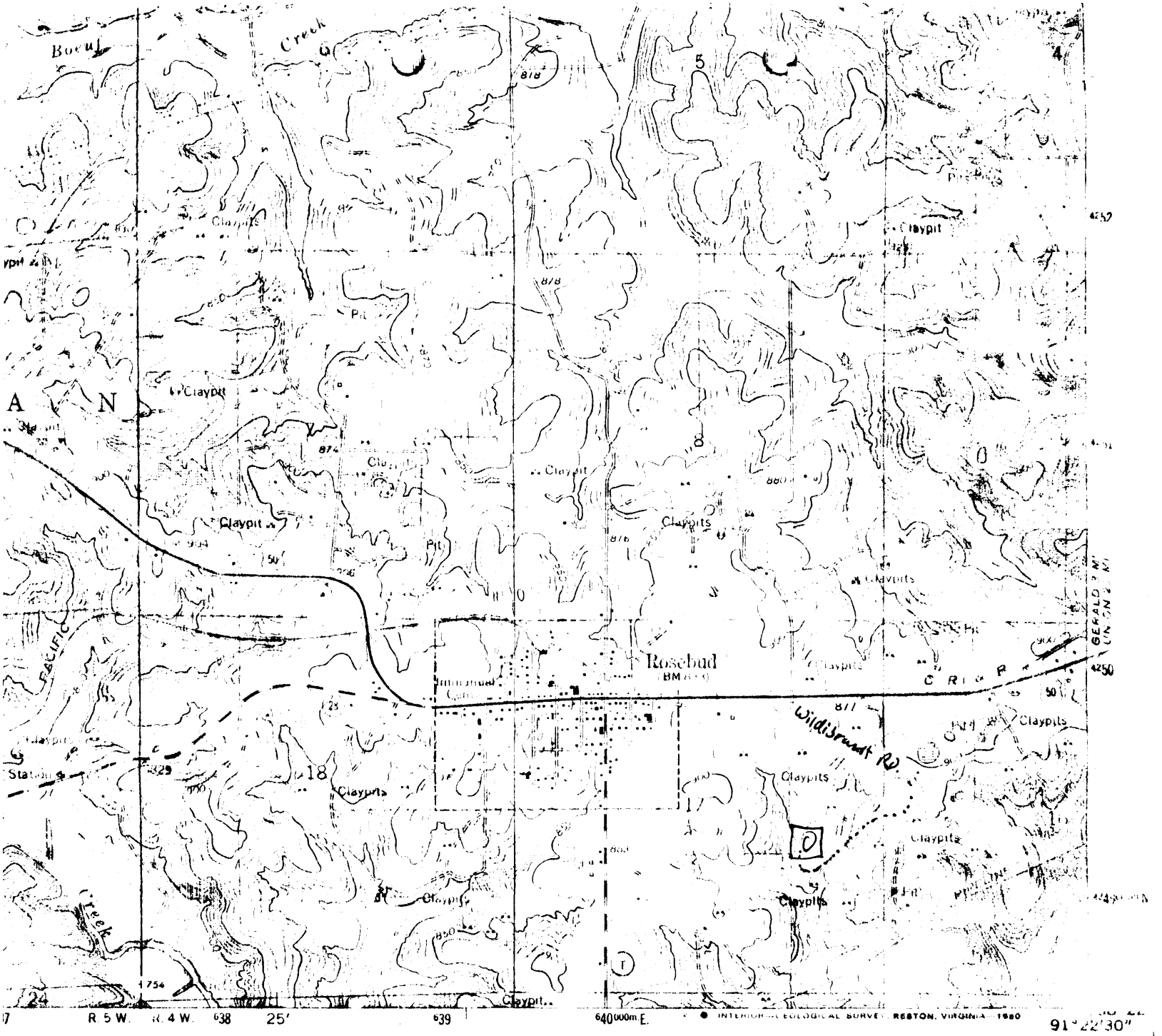
Continental Cement Co LLC

Permit 0321

1" = 100'

1 acre Bordered Amended to 3 acres Bordered 5/98
per O'Dell 4/98

Reclamation: Water impoundment + Wildlife Habitat



1 MILE
0 6000 7000 FEET
1 KILOMETER

F 1929

Y STANDARDS
225, OR RESTON, VIRGINIA 22092,
D SURVEY
JLLA, MISSOURI 65401
AVAILABLE ON REQUEST



QUADRANGLE LOCATION

Biermann pit 7
Continental Cement
per. 0321

ROAD CLASSIFICATION

Heavy duty

Medium duty

Light duty

Unimproved dirt

U.S. Route

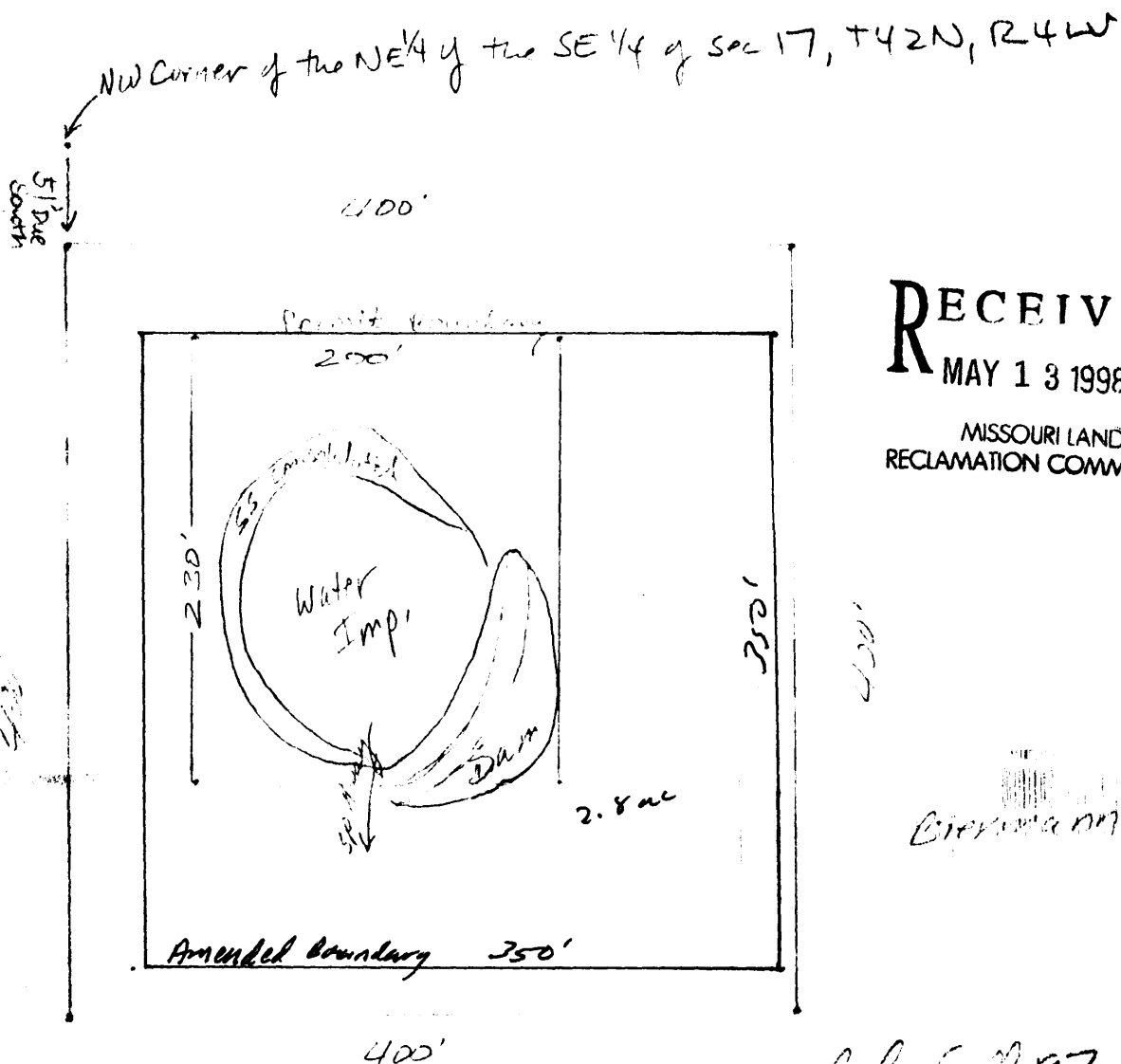
State Route

ROSEBUD, MO.

N3822.5—W91°25'7.5

1965
PHOTOREVISED 1980
DMA 7700 IV NW—SERIES VB.9

1997



RECEIVED
MAY 13 1998
MISSOURI LAND
RECLAMATION COMMISSION

Clermont #7

seeded Fall 97

Continental Cement Co LLC

Permit # 0321

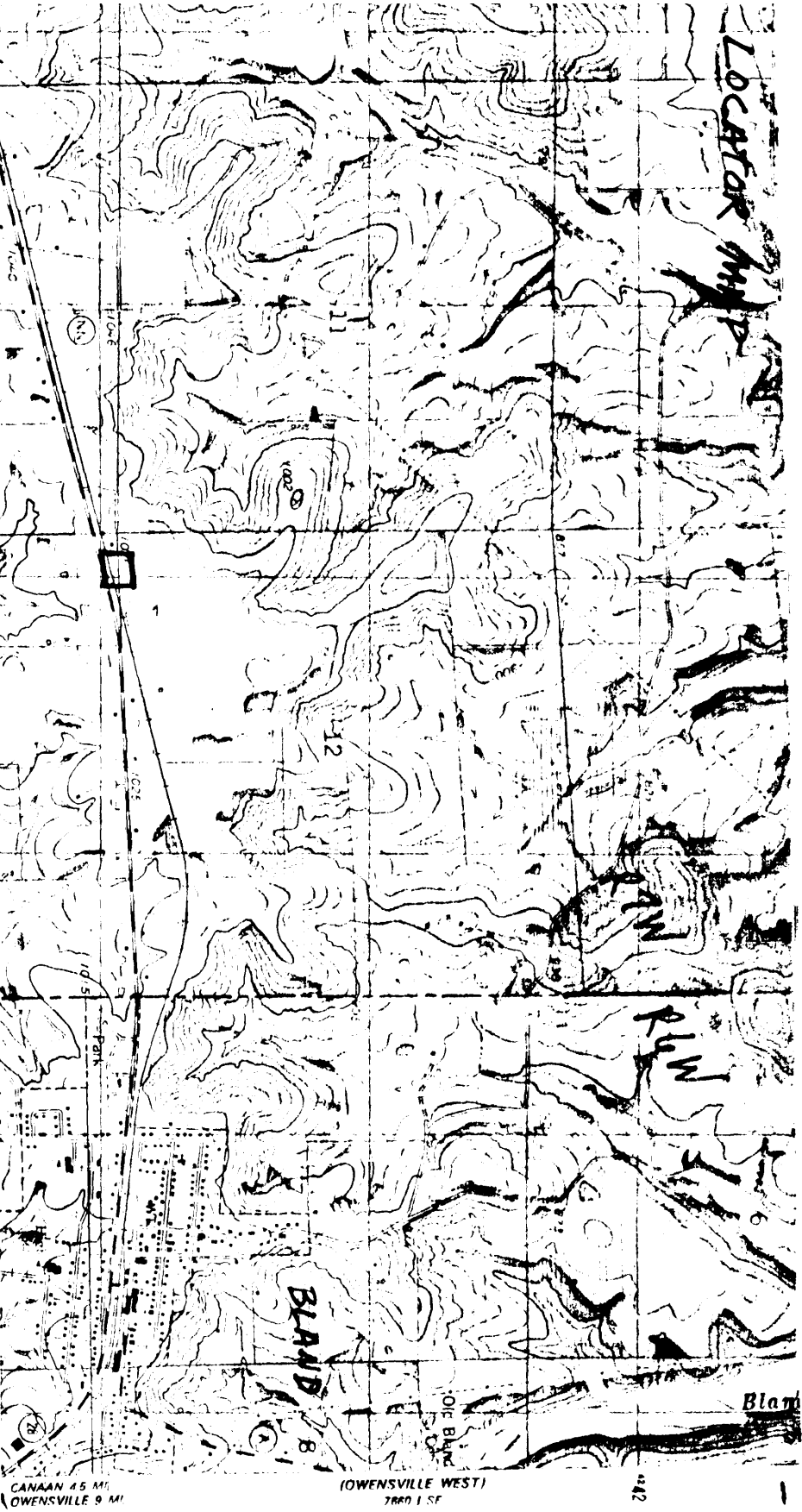
1" = 100'

1 acre Bonded Amended to 3 acres bonded 5/98
per O'Dell 4/98

Reclamation: Water Imp/Wildlife Hab.

Locator Map

U.S. 28



- T41N



MAP SCALE:

1.0" = 2000.0'

RECEIVED
AUG 22 1997

MISSOURI LAND
RECLAMATION COMMISSION

Continental Cement Co.
(Copied From Belle 7.5' Quad)

Osage Co., MO

E. Jarvis Pit No. 1

Sec. 12, T41N, R7W

11 June, 1997

Prepared By:

Ryan Mueller

E. Jarvis Pit No. 1

June 1973

Detail Map
Post Mining Land Use



R7W
T41N

Map Scale: 1.0" = 100.0'

Reservation Boundary

Permit Bound.

1 acre permitted

Surface Owner
EARL SKINNER

1.0
Acre

11 | 12
14 | 13
229'
N89°15'E

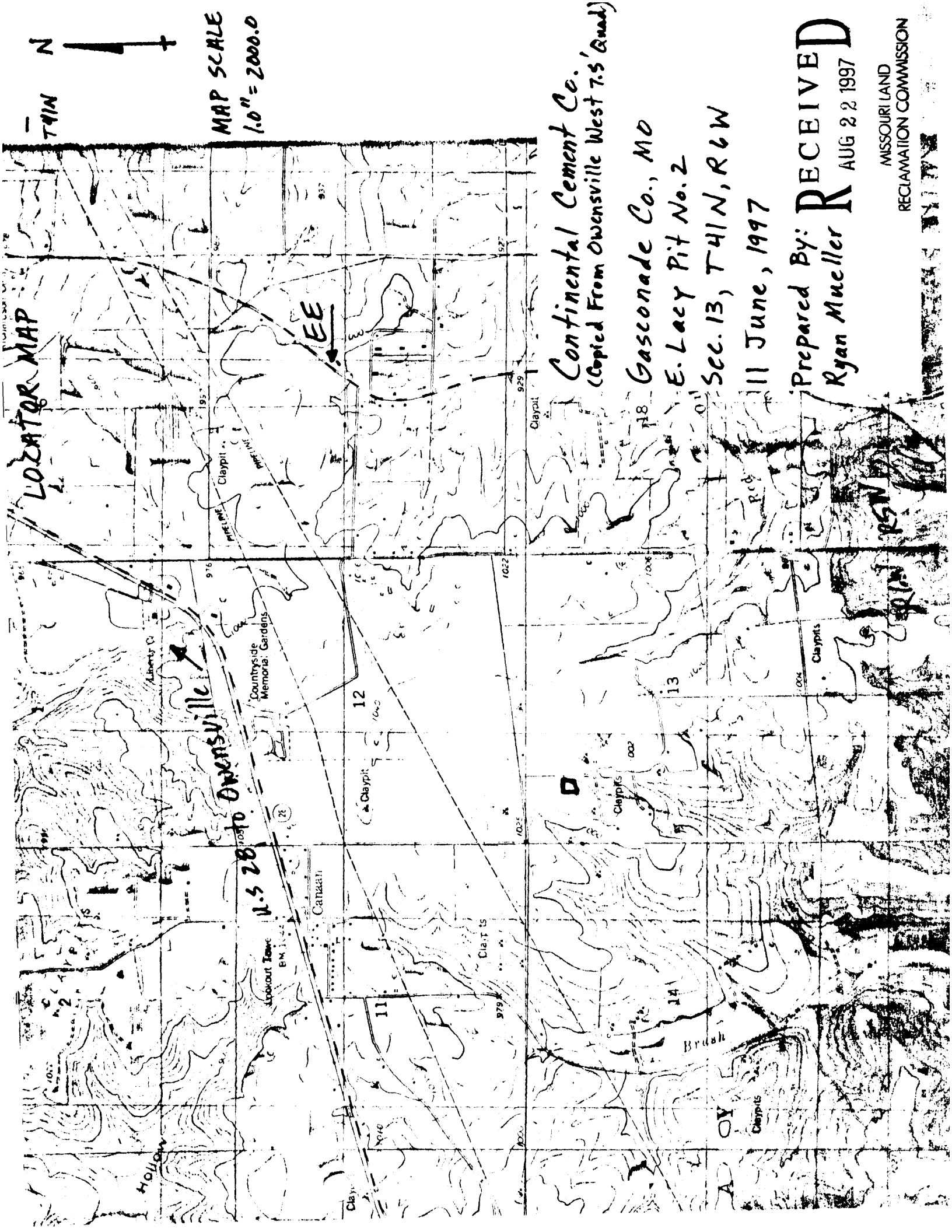
RECEIVED
FEB - 9 1998

MISSOURI LAND
RECLAMATION COMMISSION

Continental Cement Co.
Osage Co., Mo
E. Jarvis Pit No. 1
Sec. 12, T41N, R7W
16 June, 1997
Prepared By: Ryan Mueller
amended by: Lee Powell 11/17/97

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS





T41N

MAP SCALE
1.0" = 2000.0

Continental Cement Co.
(Copied From Owensville West 7.5' Quad)

Gasconade Co., MO

E. Lacy Pit No. 2

Sec. 13, T41N, R6W

11 June, 1997

Prepared By: **RECEIVED**
Ryan Mueller
AUG 22 1997

MISSOURI LAND
RECLAMATION COMMISSION

Detail Map Post Mining Land Use

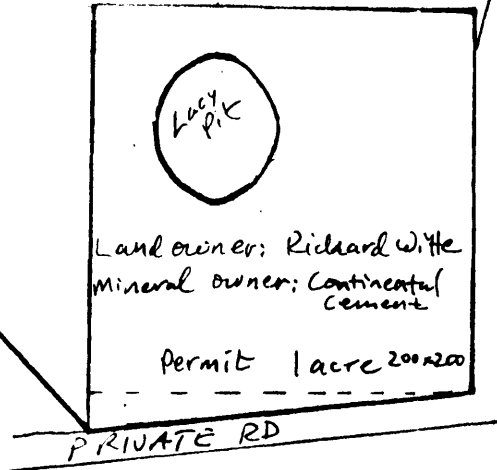
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



Note: Distance
from section corner
to reservation boundary
NOT TO SCALE

11 | 12
14 | 13

1000 -
S 43° E



Map Scale: 1.0" = 100.0'

E. Lacy #2
Mine 162

RECEIVED
FEB - 9 1998

MISSOURI LAND
RECLAMATION COMMISSION

Continental Cement Co.
Gasconade Co., MO
E. Lacy Pit No. 2
Sec. 13, T41N, R6W
16 June, 1997
Prepared By: Ryan Mueller

LOCATOR MAP

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RSW

UNION VIA U.S. 500 27 MI
ROSEBUD 2.5 MI

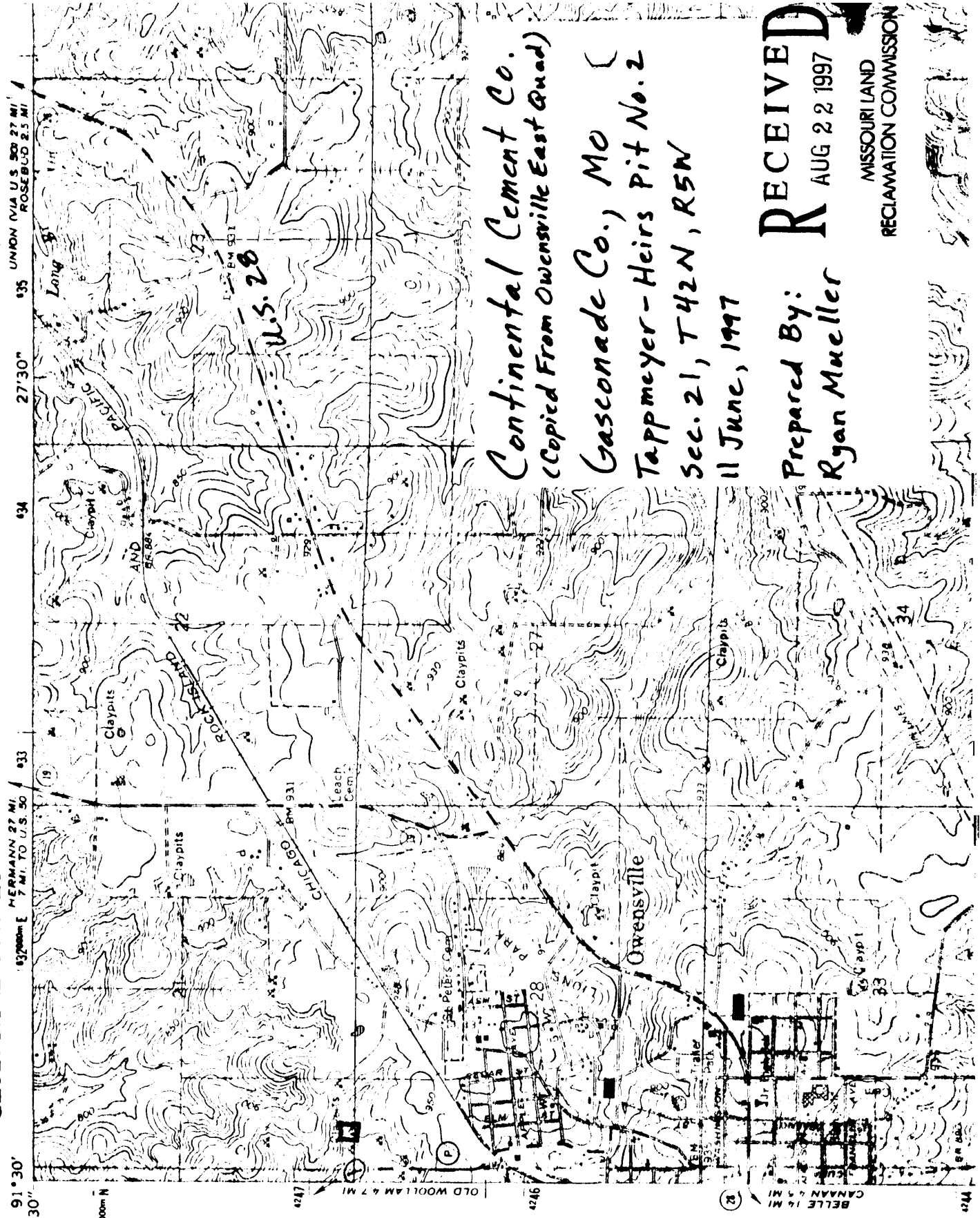
HERMANN 27 MI
7 MI TO U.S. 50

91° 30'
38° 22' 30"

10000 FT
10000 FT

424800m N

MAP SCALE:
1.0" = 2000.0'



Continental Cement Co.
(Copied From Owensville East Quad)
Gasconade Co., Mo
Tappmeyer-Heirs Pit No. 2
Sec. 21, T42N, R5W
11 June, 1997

Prepared By:
Ryan Mueller

RECEIVED
AUG 2 2 1997

MISSOURI LAND
RECLAMATION COMMISSION

T42N

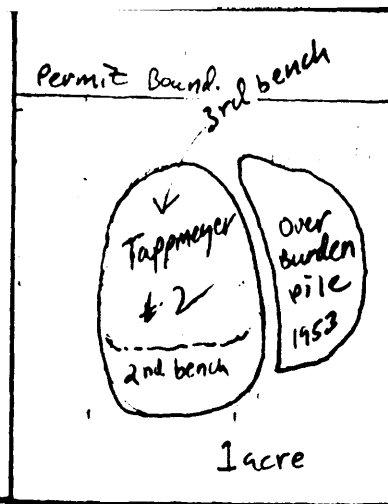
Detail Map Post Mining Land Use

R5W

N



Map Scale: 1.0" = 100.0'



Surface
Owner:
Earl Farris

20 | 21
29 | 28 } 452'
DUE EAST

Note: Distance from section
corner to reservation boundary
NOT TO SCALE

T42N

All Previous mining done in 1953

Tappmeyer - Heirs
#2
Mine 64

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MISSOURI LAND
RECLAMATION COMMISSION

Continental Cement Co.
Gasconade Co., MO
Tappmeyer - Heirs Pit No. 2
Sec. 21, T42N, R5W
16 June, 1997
Prepared By: Ryan Mueller
Amended by: Lee Powell 11/17/97

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



Site Name: Continental Cement Company
Permit Number: 0321
County: Ralls
Legal Description: Section(s): 2,3,4,9,10,11,12,13,14
Township 56 North
Range 4 West
Date of Preparation: 2003
Prepared By: Ruble

Map Scale: 1" = 400'

Map 1 of 2

Property
Not Owned
By CCC

CONTINENTAL CEMENT COMPANY, L.L.C.
Highway 79 South, Hannibal, Missouri 63401

Site Name: Continental Cement Company
Permit Number: 0321
County: Ralls
Legal Description: Sections: 2,3,4,9,10,11,12,13,14
Township 56 North
Range 4 West
Date of Preparation: 2003
Prepared By: Ruble

Map Scale: 1" = 400'



Map 2 of 2

Property Not Owned by CCC

PERMIT 91-321-A2
10 ACRES

PERMIT 91-321
10 ACRES

PERMIT 99-321-A2
4 ACRES

PERMIT 93-321-A1
20 ACRES

PERMIT 99-321-A1
10 ACRES

PERMIT 97-321
5 ACRES

PERMIT 94-321
12 ACRES

PERMIT 94-321
5 ACRES

PERMIT 99-321-A3
5 ACRES

PERMIT 99-321-A4
4 ACRES

10 ac
Permit 02-321

PERMIT 00-321
10 ACRES

PERMIT 81-321
5 ACRES

PERMIT 95-321
10 ACRES

Spring Pond

12 7
13 18

CONTINENTAL CEMENT COMPANY, L.L.C.
Highway 79 South, Hannibal, Missouri 63401

Site Name:	Continental Cement Company
Permit Number:	0321
County:	Ralls
Legal Description:	Section(s): 2,3,4,9,10,11,12,13,14 Township 56 North Range 4 West
Date of Preparation:	2003
Prepared By:	Ruble

Map Scale: 1" = 400'



Map 1 of 2



CONTINENTAL CEMENT COMPANY, L.L.C.
Highway 79 South, Hannibal, Missouri 63401

Site Name: Continental Cement Company
Permit Number: 0321
County: Ralls
Legal Description: Sections 2,3,4,9,10,11,12,13,14
Township 56 North
Range 4 West
Date of Preparation: 2003
Prepared By: Ruble

Map Scale: 1" = 400'



Map 2 of 2

Property Not Owned by CCC

